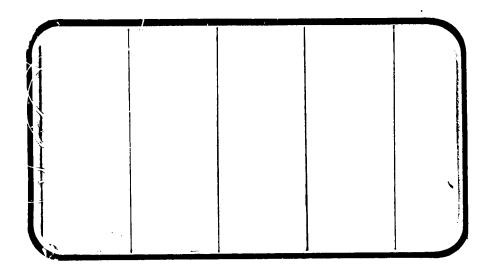


NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA CR.



(NASA-CR-141809) AN INVESTIGATION IN THE NASA MSFC 14-INCH TRICONIC WIND TUNNEL TO DETERMINE THE PRESSURE DISTRIBUTION OVER THE COMPONENTS OF A 0.0C4 SCALE VERSION OF THE ROCKWELL MCR 0074 EASILINE SHOTTLE ASCENT

N76-11225

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA Manual Magement services



DMS-DR-2027 NASA CR-141,809 VOLUME 3 OF 3

AN INVESTIGATION IN THE NASA MSFC 14-INCH TRISONIC WIND TUNNEL TO DETERMINE THE PRESSURE DISTRIBUTION OVER THE COMPONENTS OF A 0.004 SCALE VERSION OF THE ROCKWELL MCR 0074 BASELINE SHUTTLE ASCENT CONFIGURATION (IA32F)

by

Paul E. Ramsey, NASA/MSFC

Prepared under NASA Contract Number NAS9-13247

bу

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for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number;

MSFC TWT 567

NASA Series No.:

IA32F 151

Occupancy Hours:

May 10-24, 1973

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AN INVESTIGATION IN THE NASA MSFC 14-INCH
TRISONIC WIND TUNNEL TO DETERMINE THE PRESSURE
DISTRIBUTION OVER THE COMPONENTS OF A 0.004 SCALE
VERSION OF THE ROCKWELL MCR 0074 BASELINE SHUTTLE
ASCENT CONFIGURATION (IA32F)

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Paul E. Ramsey, NASA/MSFC

ABSTRACT

An aerodynamic investigation was conducted in the MSFC 14x14-inch Trisonic Wind Tunnel to determine the pressure distribution over the components of a .004 scale version of the Rockwell International MCR 0074 baseline Shuttle ascent configuration. Data were obtained for Mach numters from 9.6 to 3.48, angles of attack from -10 to 10 degrees, and angles of sideslip from -10 to 10 degrees at zero angle of attack. Also, -4 and 4 degrees sideslip were run for an angle of attack of -5 and 5 degrees. The baseline geometric parameters were Orbiter/ET incidence of 0.5 degree, separation distance at aft tie point 0.14 inch, baseline SPM location $(\phi_s = 90^{\circ}, X_s = 0)$, and ET ogive nose without retro rocket package. Control deflections were excluded from investigation. Data are presented in terms of pressure coefficient, Cp, as a function of longitudinal distance, X/L, at constant circumferential position, ϕ , and ϕ at constant X/L. Because of the large volume of data obtained, only typical plots are in this report. Volume 1 contains plotted ET pressure data; Volume 2 contains plotted SRM pressure data; and Volume 3 contains the appendix--the complete set of tabulated source data.

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PLOTTED COEFFICIENTS SCHEDULE

CP versus X/LT CP versus PHI CP versus X/LS **€**800

NOMENCLATURE

SYMBOL	PI.OT SYMBOL	DEFINITION
Λb		base area, in?
^b ref	BREF	lateral reference length, in.
c		theoretical chord length, in.
Cp	CP CONFIG	pressure coefficient, $\frac{P\ell - P\infty}{q}$ configuration code
io	ORBINC	orbiter incidence angle relative to external tank, positive when tail down, deg.
l _{ref}	LREF	longitudinal reference length, in.
l _s	LS	length of SRM, in.
& t	LT	length of external tank, in.
M _{cco}	MACH	freestream Mach number
P£		local pressure measured on the test model, psi
P∞	PSA	freestream static pressure, psi
$P_{\mathbf{T}}$	PTA	freestream total pressure, psi
q	Q	dynamic pressure, psi
RN/2	RL	Reynolds number per unit length; million/ft
Sref	SREF	reference area, in?
T		temperature, °F
X		longitudinal displacement along centerline
		measured from body nose, in.
X/c	x/c	longitudinal distance from theoretical
		wing leading edge ratioed to the theoretical chord
X/L _s	X/LS	longitudinal location measured from SRM
		nose ratioed to length of SRM

NOMENCLATURE (continued)

	PLOT	
SYMBOL	SYMBOL	DEFINITION
X/£t	x/LT	longitudinal location measured from external tank nose ratioed to length of external tank
x _{c.G.}	XMRP X-SRM	longitudinal moment reference point, in longitudinal location of SRM on external tank, zero for baseline, in
Y Y _{C.G} .	YMRP	lateral displacement from centerline lateral moment reference point, in
2	DELTAZ	separation distance between external tank top and orbiter bottom, measured at the aft tie point, in
z _{c.g.}	ZMRP	vertical moment reference point, in
α	ALPHA	angle of attack, deg.
В	BETA	angle of sideslip, deg.
r	DIHDRL	dihedral angle, deg.
$\delta_{f a}$	AILRON	aileron deflection angle, deg.
δ _e	ELEVTR	elevator deflection angle, deg.
$\delta_{f r}$	RUDDER	rudder deflection angle, deg.
η		spanwise location measured from orbiter body centerline ratioed to half span
φ	PHI	circumferential location of pressure orifice, deg.
$^{\phi}\mathbf{s}$		circumferential location of SRM relative to top of external tank, deg.
ET		external tank
SRM or SRB		these two terms are used interchangeably to mean solid rocket booster

NOMENCLATURE (Concluded)

SUBSCRIPTS	DEFINITION
а	aileron
b	baве
c.G.	center of gravity
е	elevator
Ł	local
o	orbiter
r	rudder
s	solid rocket motor
Т	total conditions
t	external tank
w	wing
x	pressure orifice number, 1, 2, etc.
œ	free stream conditions
ref	reference conditions

CONFIGURATIONS INVESTIGATED

The launch configuration consisted of the double delta wing orbiter with one large external hyd.ogen-oxygen tank (ET) and two solid ocket boosters (SRM) mounted on the ET beneath the orbiter wing (see Figure 1). Configuration component nomenclature was as follows:

O₃ (B₁₀ C₅ D₇ F₄ M₃ W₈₇ E₁₈ V₅ R₅) Rockwell MCR 0074 baseline orbiter.

To 324-inch diameter baseline exter-

nal tank with ogive nose cone.

S3/2 142-inch diam. solid rocket motor

(one) with 18° nose cone.

U₅ Aft orbiter and SR(* at -

structure.

The combinations of components were defined relative to the component on which the data were obtained as follows:

COMPONENTS

DESCRIPTION

Orbiter Data

 $(0_3)/(T_9)/(S_{3/2})/(S_{3/2})$

Orbiter in presence of ET and two

SRM's.

 $(0_3)/(T_9)(U_5)/(S_{3/2})/(S_{3/2})$

Orbiter in presence of ET, two SRM's

and attach structure.

External Tank Data

 $(T_9)/(S_{3/2})/(S_{3/2})/(U_3)$

ET in presence of two SRM's and

orbiter.

 $(T_9)(U_5)/(S_{3/2})/(S_{3/2})/(O_3)$

ET in presence of two SRM's, orbiter,

and attach structure.

COMPONENTS

DESCRIPTION

SRB Date

 $(s_{3/2})/(o_3)/(T_9)/(s_{3/2})$

SRM in presence of ET, one SRM, and

orbiter.

 $(s_{3/2})/(o_3)/(T_9)(U_5)/(S_{3/2})$

SRM in presence of ET, one SRM,

orbiter, and attach structure.

Details of the individual components are given in Table III entitled Model Dimensional Data.

TEST FACILITY DESCRIPTION

The Marshall Space Flight Center 14" x 14" Trisonic Wind Tunnel is an intermittent blowdown tunnel which operates by high pressure air flowing from storage to either vacuum or atmospheric conditions. A Mach number range from .2 to 5.85 is covered by utilizing two interchangeable test sections. The transonic section permits testing at Mach 0.20 through 2.50, and the supersonic section permits testing at Mach 2.74 through 5.85. Mach numbers between .2 and .9 are obtained by using a controllable diffuser. The range from .95 to 1.3 is achieved through the use of plenum suction and perforated walls. Mach numbers of 1.46, 1.96, and 2.50 are produced by interchangeable sets of fixed contour nozzle blocks. Above Mach 2.50 a set of fixed contour nozzle blocks are tilted and translated automatically to produce any desired Mach number in .25 increments.

Air is supplied to a 6000 cubic foot storage tank at approximately -40°F dew point and 500 psi. The compressor is a three-stage reciprocating unit driven by a 1500 hp motor.

The tunnel flow is established and controlled with a servo-actuated gate valve. The controlled air flows through the valve diffuser into the stilling chamber and heat exchanger where the air temperature can be controlled from ambient to approximately 180°F. The air then passes through the test section which contains the nozzle blocks and test region.

Downstream of the test section is a hydraulically controlled pitch sector that provides a total angle of attack range of 20° (±10°). Sting offsets are available for obtaining various maximum angles of attack up to 25°.

The diffuser section has movable floor and ceiling panels which are the primary means of controlling the subsonic Mach numbers and permit more efficient running supersonically. The sector assembly and supersonic diffuser telescope into the subsonic diffuser to allow easy access to the model and test section.

Tunnel flow is exhausted through an acoustically damped tower to atmosphere or into the vacuum field of 42,000 cubic feet. The vacuum tanks are evacuated by vacuum pumps driven by a total of 500 hp.

Data are recorded by a solid-state digital data acquisition system.

The digital data are transferred to punched cards during the run to be reduced later by a computer to proper coefficient form.

MODEL DESCRIPTION

The model was 0.004 scale and was comprised of three basic geometric components: (1) the external fuel tank; (2) two solid rocket motors (SRM's); and (3) the orbiter configuration. The orbiter and SRM's were fastened to the external tank, which was sting supported. The orbiter and SRM's were fixed with respect to the ET in the axial and radial location, depicted in Figure 1. Only the baseline configuration was tested; i.e., orbiter incidence was 0.5°, orbiter/ET separation at the aft point was 0.14 inch, SRB radial location was 90°, and SRM longitudinal position was 1.732" aft of ET nose. No control surfaces were deflected during this test.

The orbiter consisted of a stainless steel body obtained from the Rockwell force model which was fitted with a pressure instrumented aluminum wing. This wing contained 40 pressure taps, 19 on the top surface of the left wing, 19 on the bottom surface of the right wing, and 2 on the left wing leading edge. The location of each orbiter pressure orifice and the numbering system are presented in Figure 2. The 0.032-inch 0.D., annealed stainless steel pressure tubing was routed out the base of the model and along the exterior of the ET sting.

The SRM's and ET were constructed of stainless steel and contained 222 orifices (111 each) and 195 orifices, respectively. Stainless steel, annealed, 0.032-inch 0.D. pressure tubing was routed out the base of the SRM's on the outside of the ET sting while the ET tubing was routed out

through the sting. Tubing of 0.050" 0.D. was brazed onto the 0.032-inch 0.D. tubing as close to the models as possible and routed down the sector, through the tunnel floor, and out the side of the tunnel. At this point, tygon tubing was used to connect the steel tubing to ten 48 port scanivalve heads.

The pressure tap locations on each model component are shown in Figures 2-4. The launch vehicle SRM's and external tank were manufactured at MSFC (Model #450 Assembly) per MSFC drawings 80M51305, 80M51311, 80M51312, and 80M51313. The orbiter was manufactured at Lockheed-Huntsville. The MCR 0074 baseline configuration was defined by Rockwell International drawings VL70-000089B, VL77-000012, VL72-000061B, and VL78-000018.

Instrumentation:

The model instrumentation consisted of strain gages located on the sting for measuring sting deflections and the transducers required for the 457 pressure measurements.

The wing pressure taps were numbered chordwise on the top of the left wing, starting at the front at the inboard chord location and moving toward the wing tip. The right wing was numbered similarily except on the bottom of the wing. This is shown in Figure 2.

Since the ET is symmetrical, only the left side was instrumented with pressure taps. These were numbered axially from front to back at each circumferential location, beginning with A and proceeding through K.

The SRM's were numbered similarily except that half of the pressure instrumentation was located on the left SRM and the remainder on the right. This setup was required to obtain a distribution completely around the SRM because of the assymmetrical pressure distributions caused by the presence of the ET and the physical limitations of getting all the required tubing in one SRM. Hence, the orifice axial rows are numbered A through H on the left SRM and then picked up on the right SRM with I through P as if continued on the left SRM.

Test Procedures:

The ET was supported on an integral straight sting which was mounted in a 5-degree offset. This offset was rolled to \pm 90° to obtain polars at constant -5° or 5° angle of attack. To obtain the pitch polars of \pm 10°, a short "dogleg" sting was used behind the 5° offset to provide zero sting offset. This procedure allowed changing the sting offset easily without disconnecting the model pressure tubing. The sting and model setup is shown in Figure 5.

It should be noted that force data obtained during MSFC TWT 570 (Ref. 4) indicates a substantial ET sting effect on the SRM forces and moments. Because of this fact, the pressure data on the aft portion of the SRM's may contain sting interference effects and should, therefore, be used with caution. Additional force tests are planned to obtain connection factors which can be used with the integrated pressure data to eliminate this problem.

DATA REDUCTION

The pressure data were reduced to nondimensional coefficient form using the following equation:

$$C_{P_X} = \frac{1}{X} - P_{\infty} / q$$

where X indicates the pressure orifice number.

Model reference dimensions were:

PARAMETER	FULL SCALE	MODEL SCALE
S _{ref} , Reference area	2690 ft. ²	6.198 in. ²
<pre>lref, Reference length (Orbiter body length)</pre>	1328 in.	5.313 in.
b _{ref} , Reference span	1328 in.	5.313 in.
Moment reference point (measured from ET nose and as a reference. Cor- responds to longitudinal position of Orbiter nose on ET (.) ORBITER		
X _{MRP} (at orbiter nose)	635 in.	2.549 in.
YMRP (on ET & Orb.	0	0
Z _{MRP} (1.332 inches below Orbiter c on ET c)	333 in.	1.332 in.
ET		
X_{MRP} (2.549 inches aft of ET no	ose)635 in.	2.549 in.
Y _{MRP} (on ET &)	0	0
Z _{MRP} (on ET ()	0	0

	PARAMETER	FULL SCALE	MODEL SCALE
SRM			
X _{MRP}	(0.8017 inch aft SRM nose)	635 in.	2.549 in.
YMRP	(0.972 inch to right of left SRM &)	243 in.	0.972 in.
Zwdd	(on ET & SRM C)	0	0

REFERENCES

- 1. Simon, Erwin, "The George C. Marshall Space Flight Center's 14 x 14Inch Trisonic Wind Tunnel Handbook," NASA TMX-53185, December 22,
 1964.
- Lott, R. and Ramsey, P. "An Investigation of the Load Distribution Over The SRB and External Tank of a 0.004 Scale Model of the 049 Space Shuttle Launch Configuration," NASA CR-120,058 (DMS-DR-1255), March, 1973.
- 3. Ramsey, P., Buchholz, R., Allen, E. and Dehart, J., "Determination of the Aerodynamic Interference Between the Space Shuttle Orbiter, External Tank, and Solid Rocket Booster on a 0.004 Scale Ascent Configuration," NASA CR-120,060 (DMS-DR-2010), April, 1973.
- 4. Ramsey, P., Davis, T., "Triple Balance Test of PRR Baseline Space Shuttle Configuration on a .004 Scale Model of the MCR 0074 Orbiter Configuration in the MSFC 14 x 14 Inch Trisonic Wind Tunnel (TWT 570) [IA31F(B)]," NASA-CR-134,436 (DMS-DR-2028), December, 1974

TABLE I

MACH NUMBER	REYNOLDS NUMBER (per foot)	DYNAMIC PRESCURE. (pounds/sq. inch)	STAGNATION TEMPERATU (degrees Fahrenheit)
0.6	5.0 x 10 ⁶ /Ft.	4.4	100
0.9	6.3 x 10 ⁶ /Ft.	7.5	100
1.05	6.6 x 10 ⁶ /Ft.	8.5	100
1.25	6.7 x 10 ⁶ /Ft.	9.5	100
1.46	6.4 x 10 ⁶ /Ft.	9.6	100
1.96	$7.1 \times 10^6/\text{Ft}$.	10.5	100
2.99	4.1 x 10 ⁶ /Ft.	5.3	140
3.48	5.3 x 10 ⁶ /Ft.	5.8	140
BALANCE UTILIZED:	None		
BALANCE UTILIZED.		ACCUPACY	COEFFICIENT
	CAPACITY:	ACCURACY:	TOLERANCE: + 0.025 @
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Schroud Datasets R82XXI, 2, 3, and 4 do not confain Orbiter data at M=2.99 and M=3.48. Datasets RS2XX5 and 6 contain TO, external tank; SO, SRM Booster; UO, Orbiter upper wing, LO, Orbiter lower wing; SC. SRM cone; SS, SRM

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TABLE II (Continued)

TEST: MSFC	FC 567		ă	TA SE	T/RL	N N	MBER	COLL	DATA SET/RUN NUMBER COLLATION SUMMARY	N SUM	AARY		DATE	May	24,	1973	
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R82xx*55	R82xx*533/2 79 S3/2 U503	00	0	0.5°	14 90%	200		5181	5281	5381	548	55B	SCB	STB	5181 5281 5381 54815581 SLBI STBI 5881		мим
			-	-	 			5/01	52CI	5361	SAC	55C	156	51C1 52C1 5x1 54C1 55C1 56C1 57C1 58C	158C		91:R
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, 7	13 19		52		31		37		43	8		55	1	19		67	75.76
<i>2.</i> P. 1 . 1 . 1 .	1	4	4	1	4		=	4	1	4]	7	4	4	1]	4
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80 8 G								1									
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TABLE II (Concluded)

								TI.	ST	ЯШН	NL	МВ	e.rs								I	10	7	> 	
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24,	T VARIA	395	289	160	138E1	1 454	6831		-			+	+	+	-	+		-		+			1	٠١٠ ax	
May	PENDER	2.55 3 95	678	177	57F1	167H1	1221					-							1			٥	1	10.	
DATE	ATE INDE	1.46 1.56	16681	IG 94K	1567	116641	16651				-		-	_	-			; †			_		1		
_	ALTERN!	5 1.91	BI LESE	157K	FISSE	HI 65H	J1651						-		-					-	4	55	4		
UMMAR	RS LOR	5750	38164	37.62	35154	3H 1 64	33164				+	-	+	-	_				-	+	\dashv	6	444		
DATA SET/RUN NUMBER COLLATION SUMMARY	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE	25/1501 109 1425	C.181 6281 6381 6481 658 6681 6781 688	61D1 62D163D1 64D165D166D167 D165D	SIF1 52F1 53F1 54F1 55F1 56F1 57F1 56F1	614162416341694165416641674167H1	6171 6291 6351 6451 6571 6651 6731 685				+	+					!				-	43	4		
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TA SET	CONTROL	¿c 2	0.50.14	- -			-			-	-							_					4111		
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h	f	, I e			0	0				+	+	-						-				19	1		
MSFC 567		CONFIGURATION	P8 200 53/2 19 53/2 4503																			13			
1		DENTIFIER	2xxx6 53/						-	-	+										-	,		1	CON PERSONALES
TEST:		DEN	8																		-	_	6		

TABLE 111

MODEL DIMENSIONAL DATA

MUSEL COMPONENT: BODY - BIO Body		1
GINERAL DESCRIPTION: Fuselage, 2A Configuration Per Rockwell Lines VL70-000039 "B"	ion, Lightweight Orb	iter,
Scale Model = 0.004		
VL70-000089 "B" DRAWING NUMBER: VL70-000092, 93, 94 "A"		
DIMENSIONS:	FULE SCALE	MODEL SCALE
Length in.	1328.3	5.313
Max. Width in. (@ X _o = 1528.3)	265.0	1.060
Max. Depth in. (@ X _o = 1480.52)	248.0	0.992
Fineness Ratio	5.012	5.012
Area Ft ²		
Max. Cross-Sectional	456.4	1.826
Planform		
Wetted		
Rasa		

MODEL COMPONENT: BODY - CAROPY - C5		
GENERAL DESCRIPTION: 2A Configuration Per Lines		
VL70-000092		
Scale Model = 0.004		
DRAWING NUMBER: VL70-000092		
DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (STA Fwd Bulkhead)	391.0	1.564
Max. Width (T. E. Bulkhead)	560.0	2.240
Max. Depth (WP $z = 421.922$ to $z = 500$)	-	
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform -	·	
Wetted -		
Base		

MUDEL COMPO	NENT: BODY - Manipulator Ho	using D-7	
GLNERAL DES	SCRIPTION: <u>2A Configuration</u>	Per Rockwell Lines	
Scale Mod	iel = 0.004		
DRAWING NU	MBER: VL70-000093		
DIMENSIONS	:	FULL SCALE	MODEL SCALE
Leng	th in.	881.00	3.524
Max.	Width in.	51.00	0.204
Max.	Depth in.	23.00	0.092
Fine	eness Ratio	grand in the second sec	
Area	1		
	Max. Cross-Sectional		•
	Planform		
	Wetted -		
	Base	-	
Puselage	BP = 0.00 WP = 500.00 INFS X.426.0 to 1307.0 INFS	•	

MODEL COMPONENT: BODY - F4 Body Flap		
GENERAL DESCRIPTION: 2A Configuration	Per Røckwell Lines VL70-0	000094A
Scale Model = 0.004		
DRAWING NUMBER: VL70-00094A		
DIMENSIONS:	FULL SCALE	MODEL SCALE
Length	84.70	0.339
Max. Width	265.00	1.060
Max. Depth		
Fineness Ratio	***************************************	
Area _{Ft} ²		
Max. Cross-Sectional		
Planform	142.64	0.571
Wetted .		
Base Ft ²	38.65	0.0006

MUDEL COMPONENT: BCDY - OMS POD - M3		
GENERAL DESCRIPTION: 2A Lightweight Configurati	on Per Rockwell I	
Scale Model = 0.004		
DRAWING NUMBER: VL70-000094A		
DIMENSIONS:	FULL SCALE	MODEL SCALE
Length	346.0	1.384
Max. Width x ₀ = 1450.0	108.0	0.432
Max. Depth $X_0 = 1500.0$	113.0	0.452
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted -		
Base .		
C OF PMS POD		
WP = 463.9 INFS : WP 400 + 63.9 = 463.9		
BP = 80.0 INFS		

Length 1214.0 to 1560.0 = 346.0 INFS

NOCEL COMPONENT: which was we Lightweight Orbi	•
ecusous DESC25DTICN: Orbiter Configuration Per	
	;
<u>vr.70-000093</u>	
Scale Model = 0.004	NV. NO
TEST NO.	DHG. NO. VI.70 -000093
ELMENSICHS:	FULL-SCALE MODEL SCALE
TOTAL DATA Area (ineo.) Ft2	* · · · · · · · · · · · · · · · · · · ·
Area (ineo.) Ft ² Planform	2690.00
Span (Theo In.	936.68 3.747
Aspect Ratio	2.265 2.265
Rate of Taper	1.177
Taper Ratio	0.200 0.200
Dihedral Angle, degrees Incidence Angle, degrees	3.500 3.500 3.000 3.000
Aerodynamic Twist, degrees	+3.000 +3.000
Sweep Back Angles, degrees	
Leading Edge	45.000 43.000
Trailing Edge	-10.24 -10.24
0.25 Element Line	35.209 35.209
Chords:	
Rcot (Theo) 3.2.0.0.	_689.242.757
Tip, (Theo) B.P.	137.85 0.551 474.81 1.899
MAC Fus. Sta. of .25 MAC	
W.P. of .25 MAC	1136.89 4.458 299.20 1.197
B.L. of .25 MAC	182.13 0.728
E400650 0121	
Area (ineo) Ft ²	1752.29 0.028
Span, (Theo) In. BP108	720.68 2.883
Aspect Ratio	2.058 2.058
Taper Ratio	.2451 .2451
Chords	
Root BP108	562.40 2.250
Tip 1.00 <u>b</u>	137.85 0.551
MAC Z	393.03 1.572
Fus. Sta. of .25 MAC	1185.31 4.741
W.P. of .25 MAC	300-201 1.201
B.L. of .25 MAC	143.76 0.575
Airfoil Section (Rockwell Mag NASA)	
XXXX-64 Root <u>b</u> = 0.425	
$Tip \frac{2}{b} = 1.00$	12
Data for (1) of (2) Sides	
' Leading Edge Cuff	
Leading Edge Cuff Planform Area Ft ²	120.33 0019
Leading Edge Intersects Fus M. L. 8 St	560.0 2.240
Leading Edge Intersects Wing Sta	1035.0 4.14

MODEL COMPONENT: Elevon E-18			(
GENERAL DESCRIPTION: 2A Configurat	ion Per W-87		
Rockwell Lines VL70-000093	•		
Data for (1) of (2) Sides			
Scale Model = 0.004			
DRAWING NUMBER: VL70-000093	<u>-</u>		
DIMENSIONS:	THEORET	TICAL A	CTUAL MEASURED
Area FI ²	205.52		0.003
Span (equivalent) in.	_353.34		
Inb'd equivalent chord	_114.78		0.459
Outb'd equivalent chord	55.00		0.220
Ratio movable surface chord/ total surface chord	,		
At Inb'd equiv. chord	208		208
At Outb'd equiv. chord	400		400
Sweep Back Angles, degrees			
Leading Edge	0.00		0.00
Tailing Edge	10.24		-10.24
Hingeline	0.00		0.00
Area Moment (Normal to hinge line) E	1548_07 - _T 3		0.0001

Produce of Area Moment

MODEL COMPONENT: VERTICAL - VS	(Light Wt. Orbite:	r Configuration)	
GENERAL DESCRIPTION:	Vertical Tail, D	ouble Wedge	
Airfoil with Rounded Leading Ed	ge	į	
			•
Scale Model = 0.004			ونيشن عشف حادث
DRAWING NUMBER:	VL70-000095		
DIMENSICHS:	•	FULL-SCALE	MODEL SCALE
TOTAL DATA			
Area (Theo) Ft ² Planform Span (Theo) In Aspect Ratio		413.25 315.72 1.675	0.007 1.263 1.675
Rate on Taper Taper Ratio Sweep Back Angles, degrees Leading Edge		0.507 	0.507 .404
Trailing Edge 0.25 Element Line Chords:	•	45.000 26.249 41.130	45.000 26.249 41.130
Root (Theo) WP Tip (Theo) WP MAC Fus. Sta. of .25 MAC W. P. of .25 MAC B. L. of .25 MAC	•	268.50 108.47 199.81 1463.50 635.522 0.00	1.074 0.434 0.799 5.854 2.542 0.00
Airfoil Section Leading Wedge Angle Trailing Wedge Angle Leading Edge Radius ~ Void Area ~ Ft 2 Blanketed Area ~ Ft 2		10.000 14.920 2.00 13.17 12.67	10.000 14.920 0.008 0.0002 0.0002

ODEL COMPONENT: RS-Rudder			
ENERAL DESCRIPTION: 2A Configurat	ion Per Rocker	11 Lines VL70-00	00095
Scale Model = 0.004			
DRAWING NUMBER: VL70-000095			
DIMENSIONS: Area FT ²	THEORE FULL SCALE 106.38	MODEL SCALE	MODEL SCALE 0.0017
Span (equivalent) in.			0.804
Inb'd equivalent chord	91.585		0.366
Outb'd equivalent chord	_50.833		0.203
Ratio movable surface chord/ total surface chord	,		
At Inb'd equiv. chord	0.400		0.400
At Outb'd equiv. chord	0.400		0.400
Sweep Back Angles, degrees			
Leading Edge	34.83		34.83
Tailing Edge	26.25		26.25
Hingeline	34.83		34.83
Area Moment (Normal to hinge line)	<u>526.13</u> FT		0,00003

31

Produce to aera and mean chord

MODEL COMPONENT: BODY - External Tank T9 GLNERAL DESCRIPTION: 2A Configuration Per Rockwell Lines VL78-000018 and VL72-000061B: Body of Revolution, Without Retro Package		
DRAWING NUMBER: VL78-000018		
DIMENSIONS:	FULL SCALE	MODEL SCALE
Length,in.	1989.00	7.456
Max. Width (Dia), in.	324.00	1.265
Max. Depth		
Fineness Ratio L/D	6.13889	6.13859
Area, Ft ²		
Max. Cross-Sectional	572.55	0.000
Planform ·		
Wetted -	-	
Base		

RET.

FS (Orbiter) = 0.00 = TANK Station 751 INFS

WP (ET) = 400 - 344.413 = 55.587 INFS

BP (Orbiter) = 0.00 = 0.00 ET

TABLE III (Continued)

MUDEL COMPONENT: BODY - S3 Booster Solid Roc	ket Motor	
GENERAL DESCRIPTION: 2A Configuration Per Roc	kwell Lines VL77-000	012 and
VI.72-000061B		
Body of Revolution, Data for (1) of (2) Side	28	
Scale Model = .004	•	
DRAWING NUMBER: VL77-000012 Data for (1) of (2) Sides		
DIMENSIONS:	FULL SCALE	MODEL SCAL
Length, in. (including mozzle)	1758.00	7.032
Max. Width (Dia) in. BSRM Tank	142.00	0.568
Max. Depth (Dia) AFT Skirt	259.00	1.036
Fineness Ratio	6_787	6.787
Area, Ft ²		
Max. Cross-Sectional	365.87	0.0059
Planform		
Wetted -		
Base	<u> </u>	
•		

REP.

- FS (Orbiter) = 0.00 = 751 in. ET = 202.0 BSRM
- WP (BSRM) = WP 400 (Orbiter) 344.413 = 55.587 INFS
- BP (Orbiter) = 0.00 = 243.0 BSRM

TABLE III (Continued)

MODEL COMPONENT:	BODY - Aft O	rbiter and !	RB Attaci	Structure-Us	
GENERAL DESCRIPTION VL72-000061B and	: 2A Confi	euration Pe			
Scale Model = .(004,		• •		
PRANTING NUMBER:-		-			
DIMENSIONS:	•	*	. :	FULL SCALE	MODEL SCALE
Orbiter Atta	ch Station	•		1307 in.	5.228 in.
ET Attach St	ation			2508 in.	_£.232 in.
SRB Attach S	tation			1509_in.	6.036 in.
	•				
Area				•	•
Approx. Max. 1	rontal Area			109 Ft ²	25 in. ²
Planfo	rm ·	-			
Wetted		•			
Raca		••		•	

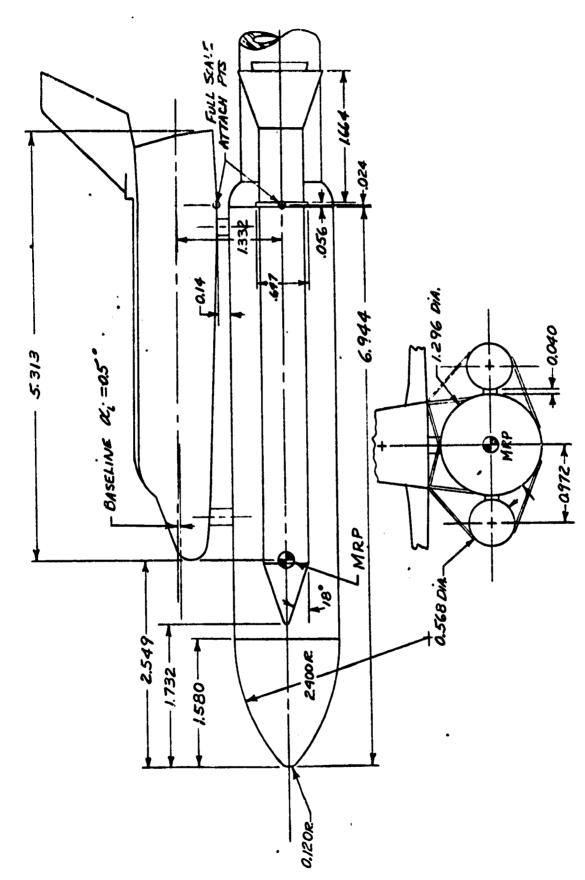


Figure 1. Major Dimensions of Model Components

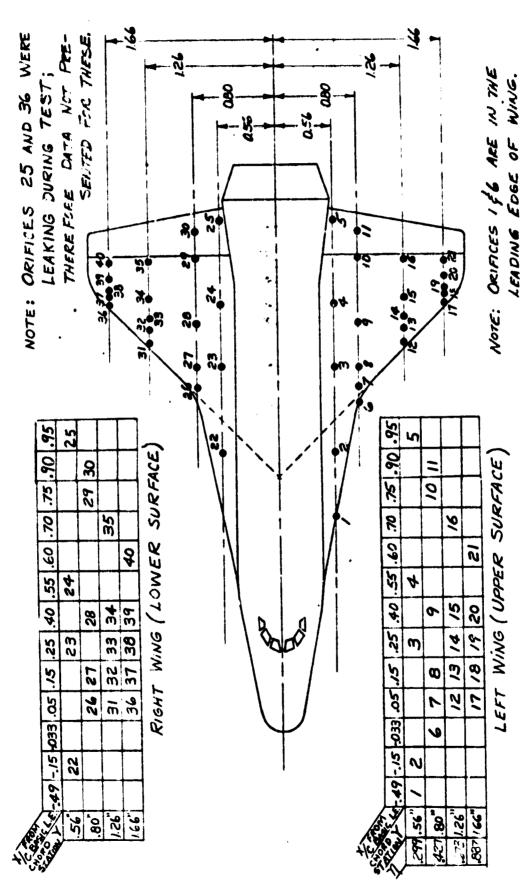
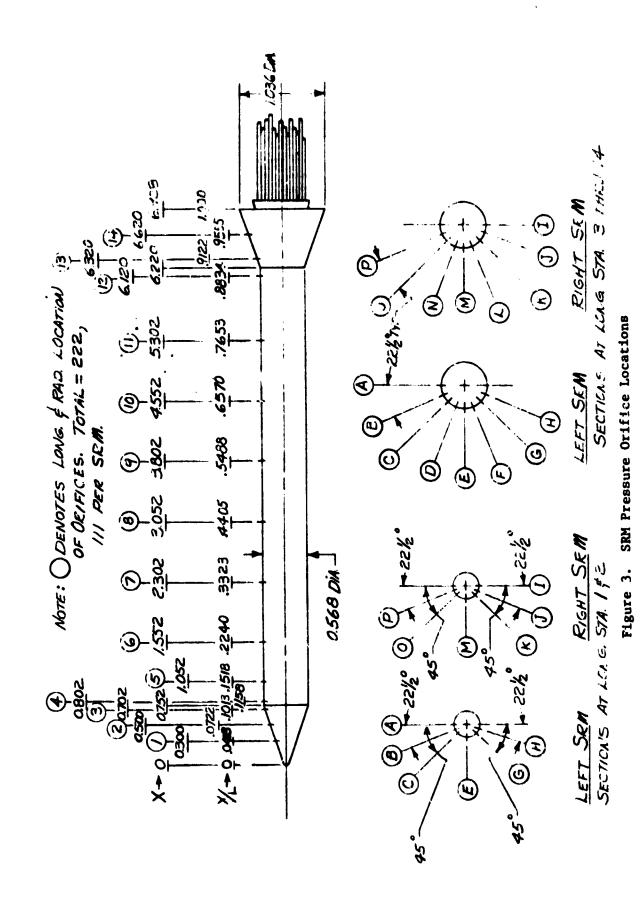


Figure 2. Orbiter Wing Pressure Orifice Locations and Numbering System



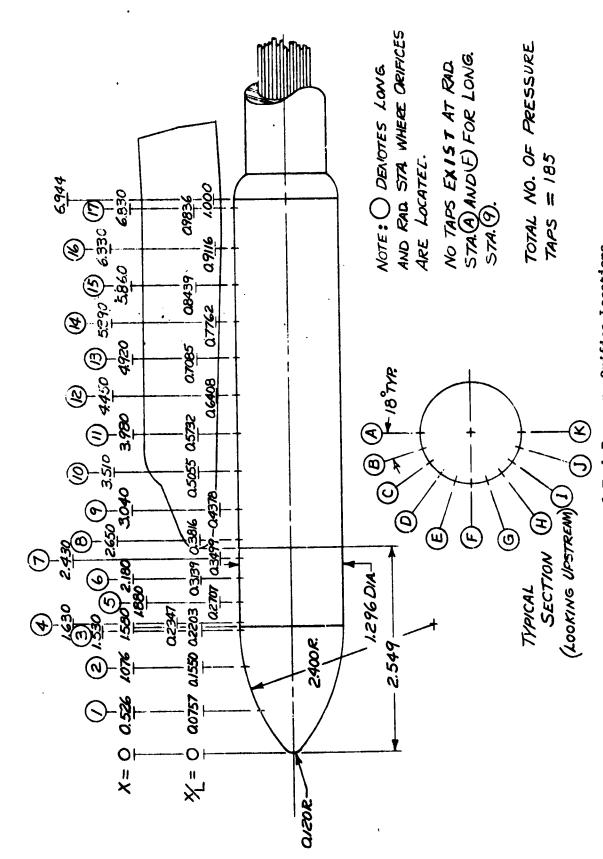
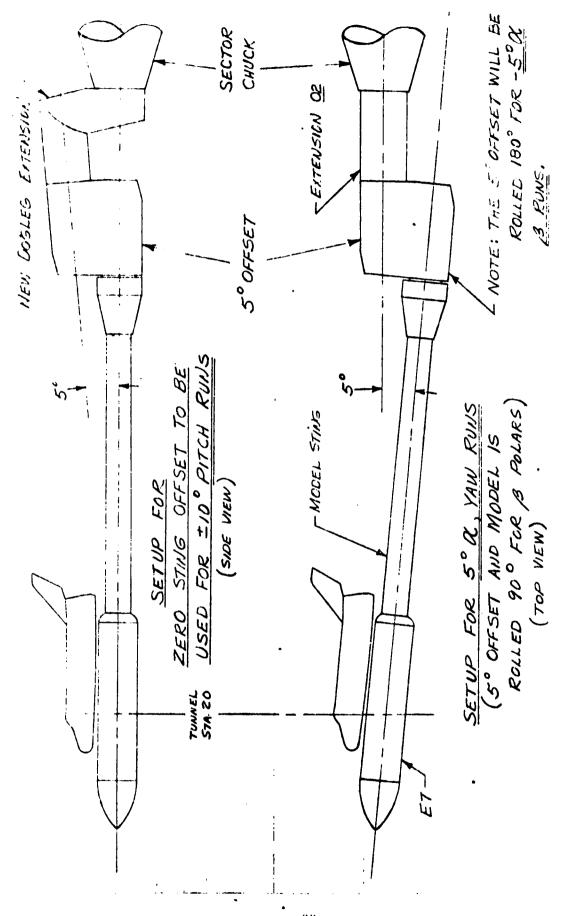


Figure 4. External Tank Pressure Orifice Locations

1, 3



の意という影響を心を見べてする。

Figure 5. Sting and Model Configurations for Shuttle Launch Pressure Test

APPENDIX

TABULATED SOURCE DATA

Tabulations of plotted data are available on request from Data Management Services.

DATE OS SEP	9 E			(ABUL	(ABULATED SOUNCE DATA, HSFC THT SR7 (!A32F)	ICE DATA	, MSFC TI	11 267 1	(A36F)					PAGE	
				¥	MSFC 567(1A32F) 19 53/2 53/2 03	K2F.) T9	53/2 53/6		EXTERNAL TANK	TANK		(AB2T01)	-	Z 857 Z	~ K
	5	REFERENCE DATA	2								_	PARAMETRIC DATA	C DATA		
SREF LREF BREF SLALE	6. 1980 7. 5130 19. 3130 10.000	. 1980 54. IN. . 3130 IN. . 3130 IN. . 00v0 SCALE		ni .	2.5490 IN. .0000 IN. .0000 IN.					BETA DELT/ X-546	BETA ** DELTAZ ** X-548 **	000.	CONF 16 RUDDER ORB INC		90.000 .000 .500
MACH (1)		.600 A	ALPHA (1)		-10.000 0	•	4.3618	PTA	8	22.010	æ	5.0011	X	•	17.238
SECTION (1)EXTERNA	I DEXTE	BUAL TANK			DEPENDE	DEPENDENT VARIABLE CP	BLE CP								
X/LT	.0757	. 1350	.2203	.2347	T015.	.3139	. 3499	3816	.4378	.3055	.5732	.6408	.7085	.7762	8430
Ē															
000.	.3822	0317	0290	9250	.1497	. 2289	1292	2219	į	6174	3320	1595		0476	0520
36.000	. 2803	, 0928		.0053	. 1176	. 1600	1326	.0672	- 1140	0910 0910	0741	0485 0485		0440 0440	9890
£4.000	. 1846	1686	1182	01 9	1881	.1838	.1140	.0398	0423	0749	0458			0176	6440
72.000	.0873	- 74.56	1841	6,000	.1773	3675.	1611.	0140	0317	0546	0185			7600	0334
108.000	0872		. 2901	1252	1622	-, 0362 -, 3536	6235	7611	4736	1799	0317	0361	0396 -	BC#0	2000 -
126.000	1402		. 28 80	2081	1649	2443		3139	2866	2001	0752	0415		0362	0406
144.000	1700	4192	3409	2299	1286	1488		1700	1753	1506	0572	0439		0413	0422
152.000	1935	4208	- W.S.	970	0945	0962	1121	1175	1325	1077	0502	0281	0237	0326	2495
38.000	1935	4288	- W55	32.6	0943	0962			1325	1077	0502			0326	0405
216.000	1700	4192	340B	2299	1286	1488			1753	1506	0572	_		0413	0422
234.000	1402	4030	1.000 1.000 1.1000	2081	1649	2443	3166	3139	2866	2001	0752			0362	0406
270.030	0237	2007	2163	0087	. 10cc	0582			06/4	707	0579	1050	03.78	9,50.	96.50
288.000	.0873	£ 16	- 1481	.0079	1773	2796	1611.	0140	0317	0546	0185		-	0097	0334
306.000	. 1846	168C	1182	0184	1881	. 1838	0411.		0423	0749	0458		-	0176	900
342.000	2003.	1.03E0	0.070	SCOO.	2 2 2	מסני.	0351.	2,00.	1686	0160.	1653	CB 20.	1000.	05.70	- 1989
360.000	3862	0317	0290	.0528	1497	2289	.2651	22.19		6174				0476	0520
378.000									282						
X/LT	9116	.9836													
ž															
000	0132	6571													
18.000	<u>.</u>	.3651													
35.000	1137	# 12													
72.000	0220	0960													
90.000	. 0619	2395													
108.000	0202	1271													
126.000	0503	1585													
144.000	1960.	1556													
ינה שני	1 75.15	1,001													
196.000	0599	- 168¢													

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11

ORIGINAL PAGE TO OF POOR QUALITY

DATE: 05 SEP 75

(RB210:)

EXTERNAL TANK

MSFC 567(1A32F) T9 53/2 53/2 03

ž -.0697 -.0803 -.0370 -.0038 -.0308 -.0308 -. 2259 .7085 -.0325 -.0272 -.0228 -.0325 -.0335 -.0:49 -.0370 - 5.0011 -.0476 -.0378 -.0255 -.0255 -.0378 -.0520 -.0237 -.0079 -.0334 -.0079 -.0237 **8**58. -.0334 -.0?28 -.0228 -.1657 -.0803 -.0511 -.0255 -.0564 -.0211 -.0662 -.0466 -.0476 -.0662 -.0211 -.0564 -.0255 -.0511 5732 -.0466 -.0803 -.0458 - 3453 5055 -.0944 -.0834 -.0690 -.2390 -. 1263 -.0946 -.2380 -.0946 -.0911 -. 1263 -.1907 -.0680 -. 1907 -. 1785 -.1785 . RE.010 .437B -.2983 -.1146 -.0570 -.0592 -.2236 -.4286 -.1146 -.2963 9.9990 -.2963 -.4286 -.1493 -.1177 -.1177 -.0592 -.0987 -.1493 -.0570 .01592 -.0485 -.7102 -.1555 -.2793 -.6638 -.7102 -.0485 -.0159 3816 -.6638 -. 1097 -.0961 -. 1097 -. 1555 . 1933 . 1933 . 1242 . 0663 - 3538 - 5777 ...1617 -...1089 -...0908 -...1617 -...577335386639292933 8 Å. DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP - 1316 - 0928 - 0828 - 0928 - 1316 - 2034 - 2644 - 2644 - 1565 - 1565 - 1792 - 1792 .2097 .1792 .1524 .2644 .0347 .0347 3139 -.1033 -.0875 -.0756 -.0875 -.1033 . 1337 . 1.126 . 1.269 . 1874 -.0939 . 1874 . 1869 . 1127 . 1137 7075. -.0939 -.1316 900. T ALPHA (1) = -10.000 .0308 .0098 ..0035 .0460 .0320 .0320 .0320 .1771.--.2578 -.2772 -.2578 -.2431 . 0320 . 0320 . 0460 . 0463 . 0035 . 0302 .2347 1.1 ALPHA (E) . 27.45.-6475.--.3315 -.3315 -.1197 -.1370 -.1858 -.3200 e√75.--. 24.75 -. 1858 -. 0908 -. 0898 -. 0564 . 2203 -.1187 -.1370 SECTION (1) EXTERNAL TANK -.3943 -.4069 -.4071 -.3943 -.3749 -.2956 -.2325 -.1769 -.1769 TARK -.1173 -.1768 -.2325 -.2956 -. 347B -.2392 -.0960 -.1984 -.2734 . 1550 -.0907 -.3749 -.4059 -.0907 -. 5421 -. 3474 .9836 .9836 -. 1686 -. 1585 -.1271 -.3651 90 SECTION : 1) EXTERNAL -.0070 -.0581 -.0503 -.0202 .0619 29*8 3300 -.0741 -.0132 7570 9989. 1750. 1899. 1890. -. 1137 -.0891 MACH (1) . MACH (1) = 18.000 34.000 90.000 90.000 125.000 215.000 234.000 252.000 270.000 288.000 325.000 324.000 350.000 200 18.000 Ĩ X/LT X/LT

-.0578 -.0502 -.0573 -.0237 -.0239 -.0239 -.0250 -.0250

-.0070 -.0281

-.0405

-.0131

-.0325

8

.3762

-.0228 -.0237 -.0573 -.0502

-.0325 -.0290 -.0334

-.0325

0.00.--.0131

-.0334

-.0485 -.0351 -.0351

-.0272 -.0229 -.0272 -.0343

TABLEATED SOURCE DATA, HOPE THE SOT (1436F)

-.0093 -.0174 -.0155 .0014 -.0075 -.0084 ð .0013 -.0049 -.0128 , 6019 6110.-.7085 -.0173 -.0137 -.0217 -.0128 -.023 -.0217 (RBETO) 5.001 ..0225 ..0227 ..0227 ..0200 ..0289 ..0182 . 6¥08 -.1472 -.0182 -.0155 -.0700 -.0448 -.0828 -.0414 -.0369 -.0369 -.0333 .5732 -.0333 -.0342 -.0369 -.0280 렃 .5055 -.0637 -.1942 -.1386 -.0903 -.0671 -.0581 -.0571 - 19 TAK 22.010 EXTERNAL .4378 -.2894 -.1201 -.0673 -.1107 -.0903 -.0777 -.0903 -.1107 -.15:1 -. 38%? -.1511 3816 -.1823 -.2338 -.4028 -.1927: -.0949 7 HSFC 567(1A32F) T9 53/2 53/2 03 . 1895 . 1895 . 1070 . 0530 . 0533 . 1850 . 1850 . 0541 . 0571 . 1850 . 86× DEPENDENT VARIABLE OF VARIABLE CP .3139 1361. 1366. .1513 .2320 .1%9 DEPENDENT 8411. 1111. 1111. 1201. 707S. -9·000 7.63. . 0002 . 0763 . 0763 . 0763 . 0763 . 0763 . 0763 . 0763 . 0763 . 0763 . 0763 . 0763 ALPHA (3) . 2203 -.2903 -.2903 -.2900 -.2771 -. 1989 . 123 -.25:-- 152 SECTION (1) EXTENDAL TANK -. 1528 -. 1570 -. 1530 -. 1387 -.0773 -.1799 -.2601 -.3474 -.6421 -.1815 Ž. - 3138 - 3386 - 3510 - 3510 - 3510 - 3138 - 3138 - 3138 - 3138 -. 1387 -. 1530 -.0953 SECTION (1) EXTERNAL TANK . 1550 -.2072 - .0528 - .0502 - .0334 - .0025 - .0803 - .0803 -.0502 -.0528 -.0511 9118 -.0962 -.0662 -.0026 -.0025 -.033* 0757 -.0961 MACH C 13 18.000 35.000 37.000 77.000 18.000 18.000 18.000 199.000 216.000 270.000 306.000 35.000 9.000 90.000 108.000 126.000 126.000 180.000 236.000 270.000 288.000 288.000 380.000 _ ₹0,

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-.00%0 -.015% -.0016 -.0076 -.0030 -.0030 -.0030 -.0030

-.0110 -.0110 -.0155 -.0030 -.0550 -.0550 -.0030

DATE 05 9EP 75

(RB2T01)

MSFC 567(1A32F) T9 53/2 53/2 03 EXTERNAL TANK

ALPHA (3) . -5.000

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MACH (1) •

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(RB2T01)

MSFC 56711A32F7 T9 53/2 53/2 03 EXTERNAL TANK ALPHA (4) = -2.000 99

SECTION (1) EXTERNAL	TERM	TAK			STATE OF THE PERSON	CEPENDENT VARIABLE CP	SE G								
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_	i	57.55 EF 57.5	-1385	0757	. 0655	0235	4129	3096	.2361	0672	1050	Ucus			2017
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	·	2145	1224	¥160.	. 1805	. 1832	- 1269	- 30	1385	0297	0439	C 20.	000s	, e	or and
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	i	1917	1426	0728	.0861		.090	.0±87	-: 139	0853	. 0690	0423	- 0.58	500.	
_	i	9361	£7¥1	05±8	1680	. 1.99	. 1768	. 1365	2883	- 28	. 1501	1161	È	C000.	
·	ť	\$6E	1242	0280	.0905	. 1707	2259	2090	9.9990	6714	3345	1393	0360	5	ŭ O
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(RB2T01)

(1A3ef)	EXTERNAL TAHK
TABLEATED SOUNCE DATA, MSFC TUT 967 (1A38F)	MSFC 567(1A32F) T9 53/2 53/2 03 E
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1 W	SECTION 1 11EXTERNAL TANK	IL TANK			DEPENDEN	DEPENDENT VARIABLE	LE CP					,		Ş	8
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	- 23v7	0308 1397 1165 0759		•	7.55	0976 0929 1382
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MSFC 56711A32F1 19 53/2 53/2 03 EXTERNAL TANK

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.162 ğ .7085 (RB2701) 6.2778 . 0650 . 0659 . 0667 . 0067 . 0038 . 0170 . 0170 . 0028 . 0038 . 0038 . 0038 . 0038 . 0039 . 0039 9408 -.0993 -.0636 -.1324 -.1026 -.0821 -.1026 -.1324 -.0836 -.0993 .5732 -.2521 -.1637 -.1534 -.1317 -.1181 -. 1534 -. 1637 -. 2521 -.0821 -.3562 -.3671 -.2868 -.2116 -.1848 - 2868 - 3671 - 3682 - 3348 - 2479 - 3076 - 3076 - 5853 - 5853 -.7396 -.5853 -.4232 -.3076 5055 EXTERNAL TANK 22.007 -.2063 -.1394 -.0716 -.0929 HZ78. -.4596 -.3986 -.2280 -.1885 -.1895 -.2280 -.3986 -.+596 -.0929 -.2063 9.9990 -.2063 -.1394 -.5014 -.3403 -.2457 -.2164 -.3403 .3816 .3394 .2505 .1349 .0355 -.0343 -.4331 -.5014 -.6881 -.0343 -.0343 -.0355 -.1348 -.35055 PTA HSFC 567(1A32F) T9 53/2 53/2 03 æ. ₩ 7986. 1989. 1989. 1989. 1989. 1989. DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP 3139 2008 - 30 COCS. -8.000 -10.000 .0601 .0534 .0535 .1659 .1075 .0049 .7530 -.1035 -.1206 -.1035 -.0181 -.0627 -.0049 .2347 . 1559 . 1668 . 0554 . 0759 ALPHA (2) = ALPIN (1) .2203 -. 1124 -. 1479 -. 1142 -. 2345 -. 2273 -. 0464 -.4245 -.4207 -.4306 -.1745 -.1067 -.0464 -.1745 -.2273 -.2345 -.1142 -.1479 SECTION (1) EXTERNAL TANK . 1550 -.1172 -.1269 -.1673 -.2361 -.3017 -.3769 -.4360 -.4783 -.5103 -.5226 -.5281 -.5103 -.4783 -.4369 -.3769 -.3v73 -.6586 - . 6663 - . 3333 - . 1945 - . 0951 - . 0969 - . 0306 - . 1267 .9836 -.1673 -.1£59 -.1172 -. 5226 -.3017 -.2361 .9836 98. 8 SECTION 1 DEXTERNAL 9116 .0503 5711. .0757 .0103 .0107 .0107 1865. 5755. 3318 3858. 4814. . 1300 . 0628 . 0069 . 0509 DATE : 05 SEP MACH (2) MACH (2) . 000 36.000 36.000 37.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.00000 10.00000 10 18.000 36.000 54.000 72.000 90.000 108.000 3t2.000 360.000 Œ ጀ X/LT X/LT X17

EXTERNAL TANK

(R82T01)

MSFC 567(1A32F) T9 53/2 53/2 03

DEPENDENT VARIABLE

X/LT .9116 .9836

SECTION 1 DEXTERNAL TANK

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162.000 -.0202 -.1399
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169.000 -.0203 -.1399
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ž • B.277B ď - 22.007 Ę DEPENDENT VARIABLE CP -9·00c ALPIN (3) . 900 MACH C 2

.788 . 7085 **6**708 .5732 5000 87. 3816 3499 .3139 .2707 .2347 .2203 SECTION (: JEXTERNAL TANK . 356 .0757 X

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EXTERNAL TANK HSFC 567(1A32F) T9 53/2 53/2 03

ğ .7085 -, 0063 -, 0179 -, 0179 -, 0180 -, 0089 -, 0089 -, 0180 -, 018 (R82T01) 6.2778 9. 9. - 1344 - 1159 - 1077 - 0782 - 0258 - 0280 - 0280 - 0280 - 0280 - 0280 - 0280 - 0280 - 0280 - 0280 - 0280 - 0280 - 0280 - 0280 - 0280 - 0280 - 0305 - .5732 -.3108 5055 -.8727 -. 1819 -. 1448 -.1165 -.2062 -.1990 -.1376 -.1012 -.0820 -.0820 -.1012 -.1375 -.1390 22.007 - .2439 - . 1914 - . 1248 - . 1529 .4378 -.1677 -.1281 -.1250 -.1250 -.1261 -.1677 -.1677 -. 3+31 .3050 .2054 .0423 -.2491 -.7395 -.8337 -.6186 -.5186 -.3484 3816 ₽₹ -.2139 -.3484 -.6186 -.8545 -.8337 . 3941 . 2963 . 1800 . 0842 . 0849 . . 1395 . . 1270 . . 1009 . . 1270 . . 1009 . . 1270 . . 1395 85×. DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .2369 .2363 .2463 .3463 .3463 .3833 .1529 .0500 .0045 .0045 .0050 .0500 .0500 .2707 . 1684 . 1716 . 1716 . 1716 . 2186 . 2163 . 1908 . 1938 . 1938 . 1938 . 1938 . 1938 -2.000 23.7 . 1078 . 1078 . 1448 . 1558 . 1558 . 1569 . 1009 . 1009 . 1009 . 1009 . 1523 ALPHA C 151 -.2203 -1945 -1945 -2891 -2891 -0770 -0137 -0338 -1945 -339* -.4501 \$00 · -. 4006 -. 1545 -. 0338 -. 0137 SECTION (1) EXTERNAL TANK -.0108 -.1772 -.0832 -.0583 -.0785 -.0705 -. 1269 -. 1363 -. 1299 -.11% -.0708 - 2015 - - 2751 - 3776 - 3776 - 3789 - 3789 - 3879 高二一 -.0075 -.0832 -.1772 SECTION (1) EXTERNAL TANK . 1550 .01BC -.3010 8 8 7.6 . 0670 . 0670 . 0670 . 0680 . 0680 . 0680 . 0680 . 0670 . 0670 . 0670 . 0670 . 0670 . 0670 722 MACH : 23 18.000 18.000 36.000 108.000 118.00 HACH (2) 18.000 36.000 72.000 108.000 1108.000 126.000 180.000 180.000 234.000 275.000 X/LT

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MSFC 367(1A32F) 19 53/2 53/2 03 EXTERNAL TANK

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		F. 38	.04.7 .04.16 .05.5 .05.5 .05.3																				•		.7762	.0665	:640	25.55		5*20.	.0359
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		6408	0429 0314 0340 0943 1381																				• 6.2778		.6408	1467	2011	CORO	0406	0554	0443
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90	DEPENDENT VARIABLE CP	T013.	.2961 .2196 .771. .771. .178																				000.	DEPENDENT	.2707		14.1	.1537	1609	2016	. 3225
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96.	DEXTERN	7870.	.18v3 .2089 .2282 .230	9116.		130	1886 18	. 690 	.1037	. 1455	. 0845	0040	.3120	.0058	.0120	1960		¥.	.1037	.063£	18		•	DEXTER	.0757		5771.	. 1657	. 1593	. 1513	. 1579 . 1359
HACH (2)	SECTION (1) EXTERNAL TAN	X/LT	PH1 288.000 306.000 374.000 352.000 378.000	X/LT	ā	000	18.000	26.00 16.00	72.000	90.000	109.000	126.000	162.000	180.030	198.000	215.000	262 000	279.000	288.000	305.000	324.000	352.000	FACH (2)	ECTION (1) EXTERNAL TA	איניז	ā	000	18.000	35.000	54,203	72.009 90.000

DATE: 05 9EP 75

TABLEATED SOURCE DATA, NOTE THE SET (1A32F)

				Ē	HSTC 967(1A367) TB 53/2	5	3/2 53/1	53/2 03	EXTERNAL	12K		(RB2701)		
MCH : 23		8	ALPHA (5)		900.									
SECTION (1) EXTENDAL	DEXTO	BAL TAR	×		DEPENDENT VARIABLE CP	T VARTAB	er co							
נינו	CEC 0.	ë.	. 2203	7.63.	£707	3136	. y .	3816	.4378	2695	.573E	9.00	.7085	. TIBE
E				Ş			8	8	976	1,000	- 031B	-,0055	2010	650
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144,000	000			0123	.0623	1650.	0990	3141	1075	0643	0301	0097	.0028	.0128
152.000	1503	- 1818	·	.6573	.0313	.0076	0891	2233	1159	0591	0296	0107	-, 0002	-0115
180.000	1539	.352	٠	- 1385	.0365	9000	0791	1948	- 1085	0502	0286	0112	0001	.0103
198.000	1503	183	2733	0575	.0313	9200.	0891	2233	1159	0591	0296	0107	0002	5110.
216.000	. 1500	3556	٠	0123	.0623	16£0:	0990	3141	1075	0643	0301	0097	.0028	82 G.
234.000	.1487	- 9486	٠	.0377	. 1256	.0877	125¥	5718	1359	0670	0313	0108	.0006	8*10.
252.000	1,490	3×90	٠	1660.	.2216	.2038	9634	91 9 2	2348	0923	0318	0055	.0107	.0297
270.000	359	3509	٠	.1506	.3225	. 4066	.2999	77.46		-:1180	0769	0443	0017	.0329
288.000	. 1579	3389	٠	.1312	.2690	7957	.0227	9 .32	1623	0905	-, 1057	055¥	0052	.0349
305.000	. 1513	3362	•	138	.2016	.2090	. P±37	3110	1367	1226	1090	0406	.0003	.0392
324.000	. 1593	3349	•	. 1022	. 1609	. 2033	. 1509	.0095	2082	1479	1339	0502	0036	.0286
342.000	.1637	3202	•	.0229	.1537	.2379	37.46	. 1856	261	2407	1931	1107	0160	16 . 16.
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MSFC 367(1A32F) T9 S3/2 S3/2 03

| MACH (2) | • | .800 AL | ALPHA (6) | ų. | 2.000 a | • | 7.3909 | P1A | • 22.007 | 200 | d | 6.2778 | 8 | | 12.985 |
|--------------------------|----------------|----------|------------|--------|-----------------------|-----------------|--------|--------|----------|---------|------------|---------|--------|------------|--------------|
| SECTION (1) EXTERNAL TA | DEXTER | NAL TANK | | _ | DEPENDENT VARIABLE CP | T VARIA | ALE CP | | | | | | | | |
| X/L [‡] | . 0757 | . 1550 | . 2203 | .2347 | .2707 | .3139 | .¥-99 | .3816 | .4378 | .5055 | .5732 | 6408 | . 7085 | .7762 | 6 49. |
| Ē | | | | | | | | | | 1120 | Target | - 1422 | 5110. | .0895
C | . 1214 |
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ا | S 2 | . בפני | 0000 | 1480 | 6 | - 1057 | -,0069 | 0731 | <u>:</u> |
| 19.000 | 6601 | 3786 | 212v | 0039 | .1431 | ec. | | 7071 | 0000 | 1 30A | 1351 | 1. | 11.0 | 07+0. | .0927 |
| 35.000 | ₹ 9 : . | 3797 | 香. | 67.29 | . 1576 | 6061 | 52.5 | 20043 | 1533 | 107. | 1119 | 0319 | .0143 | .0570 | . 0929 |
| 54.000 | 1221. | 3733 | 3199 | 1160. | 1880 | 1761 | .013/ | 0440 | 200 | 1470 | 0876 | 0372 | .0137 | . 0559 | 0.0970 |
| 72.000 | £¥1. | 3553 | - 0559 | . 1205 | .000 | 9 | 0000. | 3614 | } | 0716 | - 0719 | 9440 | 8000 | ₩. | .0819 |
| 90.000 | <u> </u> | - 3357 | 0216 | . 1603 | . 3323 | 414. | | 11C/ - | F166 - | - 0599 | 0265 | - 0070 | .0126 | .0391 | .0615 |
| 108.000 | . 1757 | 3384 | 0787 | . 1237 | 6.C. | 57.50 | 0500 | 0505. | 1146 | -, 0392 | 0303 | +760 | .0065 | . 0222 | .0430 |
| 125.000 | . 1953 | 3180 | 239 | .0599 | Ç |) i | 2 6.0 | | 200 | 78B7 | .025 | -, 006¥ | 1800. | 3020. | . 0393 |
| 144.000 | .2106 | 3083 | 3727 | .0007 | 8060 | 17.0. | | 000 | 1 | 7950 | 0231 | 6700 | 9800 | 0610. | .0341 |
| 162.000 | .2160 | 3100 | 4368 | 0506 | . CO. | 2030 | 1000. | 6//1 | 1513 | 9150 | 70 | 0090 | **00°. | .0169 | 9600. |
| 190.000 | . 2261 | 3000 | 4080 | - 1800 | . 059 | 200. | 9.0 | 000 | 2 4 | - 0397 | 0231 | 9,00 | 9800. | .0190 | .0341 |
| 198.000 | .2160 | 3100 | +368 | 0506 | . US | 7550. | 1 6 d | DATE - | 10.5 | - 0387 | 0251 | 0064 | .0091 | .0205 | .0393 |
| 216.000 | .2106 | 3083 | 3727 | .0007 | BC60. | 17/0: | | 90.01 | 9411 | 6020 | 0303 | 0074 | .0065 | . 0222 | .0430 |
| 234.003 | . 1953 | 3180 | 239 | 6690 | 553 | /0.1. | 240 | | 2012 | 9650 | 0355 | 0673 | .0126 | .0391 | .0615 |
| 252.000 | .1757 | 338+ | 0787 | .1237 | 2579 | . 27.50 | BESU. | 1.00. | | 3716 - | 6120 | 64AC - | 6000. | ₹. | .0819 |
| 270.000 | 38 | 3547 | 0216 | . 1603 | . 3323 | 3:3. | | 10. | 0001 | 1 4 5 | - 0876 | 0372 | .9137 | .0569 | 060. |
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| 324.090 | ±9::- | 3797 | 3641 | .9529 | . 1575 | 6061. | 9551. | | | 23.6 | . <u>.</u> | 105 | 2369 | .0731 | .1105 |
| 342.000 | . 1099 | 3785 | 2128 | 0039 | 1431 | BC25. | 1005 | 2 6 | 0000 | 9214 | 18.00 m | -, 1422 | 5116. | .0895 | .1214 |
| 360.000 | . 1213 | 3901 | 2949 | 0231 | . 1346 | Ž. | 3636 | nego. | 00000 | |) | | | | |
| 37B.000 | | | | | | | | | | | | | | | |

EXTERNAL TANK MSFC 367(1A32F) 19 53/2 53/2 03

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P. 000 ALPHA (6) . 8 MACH : 23 •

DEPENDENT VARIABLE CP SECTION (1) EXTERNAL TANK

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DEPENDENT VARIABLE CP SECTION I DEXTERNAL TANK

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ALPHA (7)

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EXTERMAL TANK HSFC 567(1A38F) TO 53/2 53/2 03

ð . 7085 .0553 .0311 .0317 .0399 .0277 .0285 .0338 .0355 .0338 .0355 .0338 .0355 .0355 .0355 .0355 .0355 .0355 .0355 .0355 (REPTO!) 6.2778 . 9039. -.0051 -.0566 -.0282 .0222 -.0779 -.0197 - 2883 - 1495 - 1898 - 0883 - 0875 - 0893 - .5732 S. 15 28.987 -. 2606 -. 1948 -. 2454 -. 3882 -.0823 -.0187 -.0138 -.0035 -.0138 ¥378 -.0223 .3816 -. 1651 -. 5417 -. 5446 -. 3374 -. 2064 ..0517 ..0045 ..0040 .2003. . 9-13 PTA -. 236. -. 337. -. 346. 7.3909 96. 100. 2836 . 2318 . 2318 . 0950 . 0950 . 0592 . 0580 . 0580 . 0596 . 0596 . 0596 . 0596 . 0596 . 0596 . 0659 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP . 2038 . 1731 . 0860 . 0860 . 1165 . 1165 . 1773 . 1773 . 1018 . 0855 . 1018 . 1855 . 1855 . 1855 . 1855 . 1855 . 1855 . 1855 3139 . 1162 . (0539 . (0539 . (0539 . (0539 . (1769 . (1069 .2707 8.000 10.00 7.53. -.0438 -.0187 -.0187 .0750 -.0187 A.PH : 90 -. ALPIN (B) 8525. - 6205. - 61933 .2203 728 . 0131 . 0133 . 0582 . 0053 -.0194 -.0230 -.0194 SECTION (1) EXTERNAL TANK .1550 - 3556. - 3756. - 1549. - 7697. -.4047 -.3107 -.2274 -.1088 -.1574 -.2274 -.3107 -.1574 -.0931 8 SECTION (1) EXTENDAL 8 9116 . 1502 . 1503 . 1503 . 1503 . 1503 . 1503 . 1502 . 1502 2001. 2002. 2003. 2003. .0867 .070 629 E301.E201.7011.1020.7011.1020.1024.1024.1024.1025.1024.1025.1024.1025.1026.1027.10 HOH : 53 MACH C 23 98. 1000 106. 1000 1166. 1000 1167. 1000 116 18 000 35 . 600 18 . 000 36 . 000 X/L7

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MSFC 367(1A32F) 19 53/2 53/2 03 EXTERNAL TANK

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EXTERNAL TANK

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EXTERNAL TANK MSFC 9/7(1A32F) TB 53/2 53/2 03

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10.992 9711. 9011. 9011. 9011. 9010. 1000. 10 .1162 Š -.0062 -.0062 -.0103 -.0196 -.0103 -.0062 -.0185 -.0465 -. 0194 -.0161 .7085 6.5711 -.0195 -.0259 -.0820 -.1460 -.1678 -.1578 -. 1682 -. 1460 -. 0820 -.0195 .00¥7 -.1628 -.1535 -.1678 -.0016 -. 0259 6408 .0061 -, 1566 -, 1072 -, 1200 -, 1232 -, 0905 -, 0309 -, 0305 -, 0306 -, 030 -. 1232 -. 1200 -. 1072 -. 1565 .5732 독 -.1996 -.1937 -.1862 -.1588 -.1588 -.2124 -.2037 .5055 -.1482 -.212+ -. 1937 -. 1482 *TT?.-1074.--.2037 -. 1855 22.007 -.2281 -.2708 -.2183 -.1644 .0503 .0120 .-.0277 99.9990 -.557.-.4378 .0359 .0303 .0369 -.2183 -.3364 -.1644 .4507 .3590 .2215 .0246 .5063 .77102 .3359 ..0948 .0006 .0218 .0006 -.0948 -.7210 -.0246 .2215 .3590 -.7782 3816 PTA .4952 .3517 .2789 .2789 .2789 .4534 .0650 .0650 .1193 .1193 .1193 .0500 .4534 .2888 .2789 .35;7 .4952 ₩. - B.4371 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP 3976 3976 3976 3976 3976 3382 2499 2191 2041 3976 3976 3976 3976 3976 .3139 .e707 -5.000 -5.000 -.0539 -.0125 -.0150 -.0654 .0654 .0410 -.1811 -.0609 .0410 .1048 .0654 -.0150 -.0695 -.0539 .2347 -. 1811 -. 2051 -.2768 -.2061 ALPHA (4) -ALPHA (3) --.2161 25.55. - 25.55. -.2161 -.2836 -.3796 -.3693 -.3242 -.4026 -.2579 -.3535 -.2829 -.3693 -. 2835 . 2203 -.4026 -.2464 -.2829 -. 1931 -. 1969 -. 1973 -. 1969 -. 1455 SECTION I DEXTERNAL TANK -.1455 -. 1818 -. 1612 -. 128 -.1103 -.1071 -.1135 -.1284 . 1550 -. 1818 -.1715 -.1135 -.1715 SECTION (1) EXTERNAL TANK . 1516 . 0825 - . 0567 .0108 .0106 .0315 .0690 .0690 .1011 .9836 1.050 00. 2998: 3891 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 3895 | 389 .0757 .1133 .1183 .1189 .1189 .1576 .2170 .1957 .1736 .2278 .2826 9116 MACH (3) . MACH (3) 18.000
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TABILATED SOUNCE DATA, MSFC THT 567 (1A3EF)

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| L TANK | EPNAL TANK | DEXTERNAL TANK | SECTION (1) EXTERNAL TANK |
| . 1550 . 2203 | 5 | | |

| X | | . | .2140 | Safe | 9 6 | מו מו | c . | 1861 | 5 | . 1530 | 131 | 1308 | . 1269 | 25. | . 1280 | . 1308 | 13 | . 1530 | 18 | |
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| • | | .7762 | 1501 | 8 | | | . 1263 | .1107 | .0865 | .0698 | . 0502 | M140. | .0398 | 5450 | .0398 | MATO. | . 2502 | .2699 | 9980 | |
| Ē | | .7085 | 0352 | 0160 | . 0613 | 0040 | 8000 | 0205 | 0329 | 0109 | 0105 | 0045 | .0018 | 0014 | .0018 | 0045 | 0105 | 0139 | 0329 | |
| 6.5/11 | | 6 708 | - 1589 | | /C+1 | - 1491 | 1405 | 120¢ | 0591 | - 0096 | ₹ 000. | .0155 | .050 | .0205 | .020 | .0155 | .0004 | 0096 | 0591 | |
| · | | .5732 | 181 | | 0834 | - 080 . | 0773 | 0526 | 0226 | 01! . | 0041 | .0169 | . 0206 | . 0232 | . 0206 | .0169 | 0341 | 7.10.1 | 0256 | |
| 22.007 | | 5055 | 6919 | 10.0 | - 473C | ₹
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1 | - : 1900 | -: 1:00 | 0773 | 1085 | 0813 | 1!90 | 165¥ | 1697 | 1654 | 1190 | 09:3 | :385 | 0773 | |
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• | | .4378 | | | 0639 | 0323 | .0063 | 0502 | | 2366 | 1727 | 2572 | 2428 | 1940 | 2428 | 2572 | -:.727 | 2365 | | |
| ΑTA | | 3816 | 1 | 1 | .3329 | 1864 | 0815 | 5950 | 6765 | 7155 | 2727 | 0535 | .0260 | .0470 | .0260 | -,0535 | 2727 | 7155 | 6765 | |
| . 8.4371 | LE CP | 3499 | | ¥0/04. | | 3195 | .2331 | . 2233 | ₹ 8 8 | . 1753 | 32 | . 1299 | . 1420 | .1513 | .1420 | 1299 | 25 | 1753 | 1884 | |
| • | I VARIABLE CP | .3139 | | 3 | Water. | .3656 | .3756 | .4587 | .5721 | 5004. | 2.
2. | 5957 | 5255. | . 2203 | 5272 | 25.55 | 5 | 4005 | 15721 | |
| . 000 a | DEPENDENT | <i>-2707</i> | | 67 CO. | .2685 | .3029 | .3536 | .4237 | 7564. | 3886 | 2986 | 2535 | 36 | 1247 | 3 | 2000 | 8 | 3885 | 7564 | |
| | | .2347 | | 1030 | 0240 | - 0986 | 0566 | .0716 | 9+60 | .0315 | 02.70 | 250 | 2923 | 3047 | . 2023 | 0401 | | 8120 | 960 | ! |
| ALPHA (5) - | | .2203 | | -:2768 | 3336 | 2690 | 21.5 | 8 | ₹. | 3158 | 1,4289 | 1674 | 1550 | BE 12 | 1.00 | 0 | 10001 | 2150 | | |
| | IL TANK | . 1350 | | - 1614 | 1535 | 1580 | 2651 | 1801 | 1487 | 1699 | 1471 | 101 | 1512 | 689 | 21.5 | | | | 1487 | |
| 1.050 | SXTERN | . 0757 | | | | | | | | | | | | | | | | | 2005. | |
| MACH (3) = | SECTION (1) EXTERNAL | X/LT | ī | 00 0 | 18.000 | 50.08 | | 000 45 | 00.00 | 200.00 | 136 750 | ייייני | 153.000 | 00000 | 50000 | 130.00 | Z15.000 | 234.00 | 276.530 | # /0. com |
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ORTGINAL PAGRICATION OF POOR QUILLET.

| DATE OS SEP 78 | Š. | | | TABLEA | TABLLATED SOURCE DATA, MSFC THT | CE DATA. | #Sfc 72 | IT 567 (1A32F) | A3CF) | | | | | 4 | 2 |
|-----------------------|---------|------------------|------------|--------|---------------------------------|-----------------------|---------------------|----------------|---------------|--------|-------|----------|------------|--------|------------|
| | | | | HSFC | HSFC 56711A32F) | 19 | 53/2 53/2 | 63 | EXTERNAL TANK | TANK | | (RB2T01) | <u>.</u> | | |
| HACH 1 33 | • | 1.050 AL | ALPHA (5) | • | 900 | | | | | | | | | | |
| SECTION (1) EXTERNAL | DEXTER | MAL TANK | | | DEPENDEN | DEPENDENT VARIABLE CP | LE CP | | | | | | | | |
| XILT | 7270. | . 1550 | .2203 | .2347 | .2707 | .3139 | . 3499 | .3816 | .4378 | .5055 | .5732 | . 6×08 | .7085 | .7762 | . 8+30 |
| æ | | | | | | | ! | ! | | | | į | 9 | 3 | .03 |
| 299.000 | 3189 | 1601 | - 25.E | .0716 | 4237 | F861. | . 2233 | - 3830 | 0505 | 1100 | 926 | \$! | 900. |) i | - S |
| 305.000 | .3140 | 1592 | 2415 | 0566 | .3536 | 3756 | . 2331 | 0015 | .0063 | - 1900 | 0773 | S | 8000. | 9 | . ai e |
| 324.000 | 3149 | 1580 | 2690 | 0986 | .3029 | .3656 | M | 98. | 0323 | | 1000. | 1691 | 2,00. | | 8400 |
| 3+2.000 | 3200 | 1533 | 3336 | 0,40 | . 1865
1875 | 248. | ָבָּ
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379.000 | 3353 | 1614 | 2708 | 1030 | Ğ
6 | Š. | 9/9+ | | 0639 | 5 | | | | | • |
| X/LT | 9116 | .9836 | | | | | | | | | | | | | |
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| 18.000 | 2508 | £66 | | | | | | | | | | | | | |
| 35.000 | .2119 | 0045 | | | | | | | | | | | | | |
| 54.000 | .2201 | .1107 | | | | | | | | | | | | | |
| 72.000 | .2403 | | | | | | | | | | | | | | |
| 90.000 | 986 | .1338 | | | | | | | | | | | | | |
| 109.000 | 5115 | . 1530 | | | | | | | | | | | | | |
| 126.000 | 50. | /601. | | | | | | | | | | | | | |
| 144.000 | 0601 | השפים
השפים | | | | | | | | | | | | | |
| מבי נים. | 200 | 90.0 | | | | | | | | | | | | | |
| 000.651 | 6 | .0530 | | | | | | | | | | | | | |
| 216.000 | 396 | .0800 | | | | | | | | | | | | | |
| 23+.000 | 1769 | .1097 | | | | | | | | | | | | | |
| 252.000 | .2115 | . 1539 | | | | | | | | | | | | | |
| 270.000 | χ.
Έ | . 1338 | | | | | | | | | | | | | |
| 289.000 | .2463 | ¥105. | | | | | | | | | | | | | |
| 305.000 | .220 | .1107 | | | | | | | | | | | | | |
| 324.000 | 9113 | - 00+5 | | | | | | | | | | | | | |
| 352.000 | | 5553 | | | | | | | | | | | | | |
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3 | ALTA : 0 | • | 000.5 | | 1,57.0 | Š. | | Š | | | | | |
| SECTION (INEXTERNAL | DEXTER | MAL TANK | | | DEPENDEN | DEPENDENT VARIABLE | LE CP | | | | | | | | |
| X/LT | .0757 | . 1550 | . 2203 | .2347 | .2707 | .3139 | .¥99 | .3816 | .4378 | . 5055 | .5732 | .6408 | .7385 | .7762 | 8 . |
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| 000 | 2887 | 1948 | 24.13 | - 10 | .1585 | .3569 | .4385 | . £258 | | 6052 | :579 | 1593 | - 2293 | . 1226 | .2207 |
| 18.000 | 2786 | 1835 | 1961 | 0659 | 0409. | .3587 | ¥038 | .3275 | 0924 | 4228 | 0660 | 1323 | 5211 | . 162 | 2015. |
| 35.000 | 828 | | 2823 | 1295 | 9.50 | .3466 | 3095 | | 0540 | 2374 | 0559 | 1249 | 2368 | . 1212 | .202. |
| C: +u | .2897 | | 2971 | 1249 | 3080 | * | | | 2338 | 530¢ | 1 | | G | E | £ 61. |
| 78.300 | .3100 | | 3105 | .0370 | .3718 | .*:66 | | | 140¢ | 0526 | 0316 | 7.0937 | | . 1073 | g€. |
| 95.000 | .3077 | | 3143 | .0273 | . 4802 | .5671 | *83* | 6157 | | 0330 | 0054 | 04?B | 6289 | . 0828 | . 1813 |

TABLATED SOUNCE DATA, MSFC THT S67 (1A32F)

(RR2T01)

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| 52 TG S3 | | VARIABL | .3139 |
| HSFC 56711A32F) T9 53/2 53/2 03 EXTERNAL TANK | 000 | DEPENDENT VARIABLE CP | 84 ST32 ST35 . 3139 . 3816 . 4378 . 5055 . 5737 . 64 |
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| CCCTION (INCOTERNAL TAN | 1 SENTERBIAL | 178K | | | DEPENDENT VARIABLE | T VARIAB | LE CP | | | | | | | | |
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ا | 9250 | 1978. | 143. | .0798 | .0907 | .0697 | 0203 | |
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| | | | ALPHA (9) | | .2203 | | - 1598 | 3161 | -,3325 | ₽.
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324.000 | æ | SECTION (1) EXTERNAL | X/LT | Ħ | 000 | 18.000 | 35.000 | 54.000 | 72.000 | 93.000 | 108.000 | 125.000 | 162.000 | 182.030 | 198.000 | 215.000 | 234.000 | 252.000 | 270 072 | 299.000 | ₹08.003 | 324.000 | 342.000 | 350.00 0 | 000 ELE |

EXTERNAL TANK HSFC 567(1A32F) T9 53/2 53/2 03

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EXTERNAL TANK HSFC 567(1A32F) T9 53/2 53/2 03

| SECTION (1) EXTERNAL TA | L COTEDA | M. TANK | | | DEPCHEENT VARIABLE OF | | 5 | | | | | | | | |
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EXTERNAL TANK HSFC 567(1A32F) 79 53/2 53/2 03

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(882701) . 0373 . 0344 . 039 . 039 . 039 . 039 . 039 . 018 . 01 6,08 7.53.--.0585 -.0711 5735 - 1265 - 1052 - 0694 - 0103 - - 1644 - 1895 - 1576 - 159 - 158 - 1452 - 3259 5055 - 4102 - 3385 - 2256 - 1765 - 1858 - 3258 - 1659 - 1694 -.1576 -.1765 -.2256 -.3395 -.4102 EXTERNAL TANK 98 સં -.2848 -.1485 -.1793 -.0594 .4378 .1394 .0667 .1673 .1482 -.0123 -.0594 -.1793 -.1495 .1482 .1675 .0657 .1384 9.9999 .3916 . 1769 . 5443 . 5331 . 3431 . 4759 . 4759 . 6:69 M MSFC 56711A32F) T9 53/2 53/2 03 .3726 .3817 .3817 .3678 .4070 .5939 .1905 .1001 .1322 .1322 86.A . 1425 . 1905 . 1905 . 4070 . 3578 . 3726 . 3726 9.2926 DE-ENDENT VARIABLE CP DEPENDENT VARIABLE £138 2365. 67.5. 8.02. 8.02. 9.068. 1.068. 1.050. 1.050. 1.053. 1. בסנש. - 2063 - 1919 - 1919 - 1919 - 1919 - 1919 - 2013 - 263 -.1456 -.1919 -.2060 -5.000 -5.000 - 2806 - 2806 - 2768 - 3100 - 3165 - 3165 - 3365 - 3366 - .23.7 -.283-- 28g. . ALPHA (%) . ALPHA (3) .2203 - 2915 - 2956 - 3010 - 3089 - 3163 - 3163 - 3163 -.3442 -.3377 -.3256 -.3163 -.3010 -.2956 -.2915 -. 3442 -. 3452 - 324 - 352 SECTION (1) EXTERNAL TANK . 1550 -.0140 -.0273 -.0465 -.0590 -.0593 -.0765 -.0765 -.0590 -.0465 -.0405 -.3072 -.4487 SECTION (1) EXTERNAL TAN -.0011 .0026 -.00% -.0693 -. 0273 -.0140 -.0040 .0026 -.0011 1.25 <u>.</u> 9116 7570 . 4575 . 4775 . 4775 . 4736 . 4178 . 3792 . 3792 . 3792 . 3792 . 3792 . 3792 . 3792 . 3792 . 3792 . 3792 . 3792 . 3792 . 3793 . 3792 . MACH : 43 . MACH (%) 98.000 98.000 98.000 99.000 99.000 128.000 148.000 342.000 360.000 Ē

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- . 4660 - . 63:5 - . 63:5 - . 63:5 - . 63:5 - . 63:6 - 6

.3308 .2654 .2191 .2231 .2231 .1955 .1955 .0580

18 900 35 900 54 900 54 900 99 900 175 900 175 900 175 900

(RB270:)

7.00.1 4.101.1 1.00. .7087 6.6322 ...0331 ...0331 ...0351 ...0351 ...0351 ...0351 ...0351 ...0351 ...0351 ...0351 ...0351 €6+3E -.0281 - .0695 - .0744 - .0752 - .0399 - .0250 - .0253 - .052 .5732 본 -.1220 -.1789 -.1789 -.1520 -.1629 -.4232 -.3651 -.1862 -.1962 -.0920 -.1708 -.0736 .5055 EXTERNAL TANK - 22.006 -.1660 -.1474 -.0345 -.0351 -.0351 -.1650 . 1088 . 1088 . 1088 -.2078 .×378 . 1989. . 3539 . 3539 . 0350 . 0350 . 1535 . 1567 . 1567 . 1567 . 1567 . 1567 . 1567 . 1567 . 1567 . 1567 - 1186 - 4891 - 4891 - 4836 - .3816 PT. MSFC 56711A32F1 T9 53/2 53/2 03 9.2926 ₩. ಕಿ DEPENDENT VARIABLE CP CEPENDENT VARIABLE 1801. 505. 5163. 5163. 5282. 5080. 6080. 7280. 7280. 7280. 7280. 7290. 7290. 7290. 7290. 7290. 7290. 7290. 7290. 7290. 7290. .3139 2.105 -.1302 -.1674 -.1674 -.1674 -.1673 -.1673 -.173 -.473 -.2395 2002 99. -5.000 -.3033 -.3008 -.3093 -.3095 -.3055 -.3055 -.3055 -.3065 - 2924 - 3006 - 3036 - 3034 - 3085 - 3091 -.2963 C#E3. -.3105 ALPHA I SI -. 3216 -.3209 -.3195 -.3202 ALPHA (%) . 2203 -.3187 -. 3218 -.3183 -. X26 -. X26 -.3183 -.3:83 -.3164 -.0323 -.0355 -.0356 . 1550 -.0416 -.0336 -.0341 -.0370 -.0353 -. 0336 -. 0336 -.0365 SECTION (1) EXTERNAL TANK ZXX .05034 .05033 .05033 .0780 .0780 .1159 .2752 .2752 .2753 .27 -.0311 .9836 .. 25. . 80. SECTION 1 DEXTERNAL 4147 4208 4147 4151 4151 4151 4152 4171 4171 .0757 1714. 1018. 1004. 13975. 1026. 1026. 1026. 1026. 1026. 9116 C+ 1 HOVA 18.000 35.000 99.000 100.000 125.000 190.000 190.000 190.000 234.000 235.000 235.000 334.000 334.000 334.000 MACH - 15) 182.000 189.000 215.000 234.000 270.000 287.000 384.000 372.000 372.000 372.000 Ī X/LT

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-.2953 -.3105 -.3106

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-.0336 -.0311 -.0357 -.0353

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TABLATED SOUNCE DATA, HISTO THE SET (1A32F)

EXTERNAL TANK

(REPTD1)

HSFC 567(1A32F) T9 53/2 53/2 03 DEPENDENT VARIABLE CP .000 A.PHA (5) . SECTION (1) EXTERNAL TANK .. 80. MACH (%) =

.9836

9116

X/LT

7.929. 6.200. 18.000 35.000 19.000 10.000 10.000 11.0000 11.0

ð 6.6822 22.006 7 9.2928 2.000 ALPHA (8) . .. 80. MACH 1 43

5735 5055 4378 3016 37.99 DEPENDENT VARIABLE CP .3139 COCS. .2347 . 2203 SECTION I DEXTERNAL TANK

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-. D113 -.1393 B. -.0187 -.c0% . 0803 . 0873 . -, 4203 -, 3136 -, 2043 -, 2075 -, 0775 -, 0508 -, 0508 -, 0508 -, 1293 -, 1293 -, 1293 -, 0758 -, 0758 7271.-1997.-10165.-10166.-10110.-1991.--. 026**6** . 0556 -. 1482 .0531 4848 3848 3848 - 0303 - 03 0351. 105. - 1659 - 1650 - -.3228 -.3326 -.3123 -.3179 -.3135 -.3079 - 2802 - 2802 - 2732 - 2692 - 2732 - 2803 -.2954 -. 3445 -. 3445 -. 3408 -. 3349 -. 3280 -. 3192 -.3049 -.2877 -.2853 -.2829 -.753 -.2971 -.3049 -.3192 . 0703 . 0703 . 0707 . 0707 . 0708 . 0708 . 0708 . 0037 . Ŧ

(RB2T01)

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HSFC 567(1A32F) T9 53/2 53/2 03 EXTERNAL TAM

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د | | | | | | | | |
|--|---|--|------------------------------|--|------------------------------|--------------------------------|----------------------------------|-------------------------|---|--|---|------------------------------|------------------------------|------------------------------|------------------------------|--|
| 000 3899 - 1046 - 3209 - 3113 | (/LT | .0737 | . 1550 | .2203 | .2347 | .2707 | .3139 | 3+99 | .3816 | . 378 | . 5055 | .5732 | .6¥0B | . 7085 | .7762 | 8433 |
| 19116 3838 1000 3266 -4-202 1001 3266 -4-202 1002 3291 06-40 1003 2292 1293 1004 1295 1293 1005 2293 1295 1007 2294 1189 1009 1295 1293 1009 1295 1295 1293 1009 1295 1295 1295 1009 1295 1295 1009 1295 1295 1009 | PHI
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| 000 27-66 -1-4202 000 27-86 -1-6203 000 28-39 | X/LT | 9116. | .9836 | | | | | | | | | | | | | |
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001 0294 1089
002 0295 1089
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| 000 0.0941 0.0053 000 0.0941 0.00561 000 0.794 0.0957 0.0058 000 0.2528 0.2528 0.0058 | 180.000 | 9820 | . 0623 | | | | | | | | | | | | | |
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| 12-7 1384 | 000.000 | 44.0 | 7660 | | | | | | | | | | | | | |
| 000 .2559 .3282 000 .2701 .0590 000 .2702 .0283 000 .2703 .2703 .2703 .2703 .2703 .2589 PTA = 22.006 RL = 6.6822 PSA = 8.4 000 .2703 .1950 .2703 .2707 .3139 .3499 .3816 .4378 .5055 .5732 .6409 .7085 .0297 000 .28291873350230320616 .1108 .2533 .759 .04013874 .0455 .02970147 .0468 000 .282918733559 .33750616 .1108 .2533 .7595 .04013549 .0499 .01600276 .0299 .0499 .01620275 .02970147 .0468 .0007 .2705 .02970147 .0468 .0007 .2705 .02970147 .0468 .0007 .2705 .02970147 .0468 .0007 .27043559 | 252,300 | 1247 | . 138 | | | | | | | | | | | | | |
| 000 2391 0890 000 2391 0890 000 2391 0890 000 2391 0890 000 2391 0890 000 2396 -4202 10M (1) EXTERNAL TANK 10M (1) EXTERNAL TANK 000 2969 -1373 -3502 -2083 0933 2589 4555 -3809 -0047 0953 -0047 0958 000 2961 -1269 -3795 -3375 -0616 1109 2533 3759 0002 2661 -2369 -2369 -2375 -0016 2109 -0027 000 2961 -1269 -3795 -3375 -0616 1109 2533 3759 0002 2661 -2369 0000 -2369 -2369 -0047 0959 0000 -2369 0000 -2369 -2369 0000 -2369 0000 -2369 0000 0000 0000 0000 0000 0000 0000 0 | 270.000 | .2121 | . 1189 | | | | | | | | | | | | | |
| 000 2391 .08%0 000 .2391 .08%0 000 .2392 .08%0 000 .32664202 10N i 1)EXTERNAL TANK 000 .2992 | 289.000 | .2558 | . 3282 | | | | | | | | | | | | | |
| 000 27481831 C00 .27481831 C00 .23454202 104 (1) EXTERNAL TANK 006 .24291373350230320833 .2588 .4555 C00 .24291373350230320833 .2588 .4555 C00 .2429137335023249 .1599 .1631 .2604 .2795 .01022549 .0499 .01600276 .0289 C00 .2429137335023249 .1594 .1399 .1730500 .01022549 .0499 .01600276 .0289 C00 .2429137335593249 .1594 .1399 .1730500 .01022549 .0499 .01600276 .0289 C00 .24291542355934921594 .1399 .1730500 .01022549 .0499 .01600276 .0289 C00 .2429137333960114 .2172 .0644457911900544 .01940263 .0173 | 305.000 | .2370 | . 2283 | | | | | | | | | | | | | |
| 000 32664202
(4) = 1.250 ALPHA (7) = 5.000 Q = 9.2926 PTA = 22.006 PL = 6.6822 PSA = 8.4 10N (1) EXTERNAL TANK 0757 .1550 .2203 .23N7 2707 .3139 .3499 .3816 .4378 .5055 .5732 .6408 .7085 .7752 000 28611268379530320833 .0933 .2588 .4555 .0003870 .0455 .02970147 .0458 000 28611268379531750616 .1108 .2533 .2789 .04013870 .0455 .02970147 .0458 000 28611269379531750616 .1108 .2533 .2609 .01022549 .0499 .01600276 .0289 000 3225099435993299 .1534 .2604 .2795 .01022549 .0499 .01600276 .0289 000 3225099433960194 .1399 .1730500 .01940553 .0173 .0173 | 324.000 | .2391 | 0.00 | | | | | | | | | | | | | |
| CON 1.256 4202 CON | 342.000 | 8475. | 1831 | | | | | | | | | | | | | |
| 10N (1) EXTERNAL TANK DEPENDENT VARIABLE CP 10N (1) EXTERNAL TANK DOTE: 0.093 | 350.000 | . 3265 | 4232 | | | | | | | | | | | | | |
| 100 1 1) EXTERNAL TANK 000 2829 -1373 - 3502 - 3032 - 0833 .0933 .2588 .4555 - 1369 .0401 - 3874 .0455 .0551 .0551 .0551 .0059 .0051 .0059 .0051 .0059 .005 | 3 | | | LPHA (7 | | | | 9.2326 | PTA | | 900. | | | | • | 9.4.78B |
| 1000 - 2623 - 1373 - 1305 - 10933 - 10933 - 10933 - 10933 - 10935 - 10 | | DEXTER | | | | DEPENDEN | IT VARIAB | | | | | | | | | |
| 2929. 1373 - 3502 - 2032 - 0033 . 0933 . 2588 . 4555 3880 | X1L7 | .0757 | .1550 | . 2203 | 7.85. | 2707 | .3139 | .3439 | .3816 | .4378 | .5055 | .5732 | 6409 | .7085 | .7762 | Ž. |
| . 292913733502303208336588455538800047002700470055205000470055004700470045205112683795031750616110825333758004038740045502750057010236593659328915312604279501022549048901600276028922250294359025941380173050001940194019401940103017 | ī.
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| .2861 - 1269 - 3795 - 1375 - 1016 . 1108 . 2533 . 375 - 10405 . 10405 . 10405 . 10407 . 10405 . 10406 | 000 | 2929 | 1373 | 3502 | 3032 | 0833 | . 0933 | .258B | . 4555 | i | 38BU | 1,004. | י מכם. | | 3 2 | å |
| .3015 - 1152 - 3658 - 3789 - 1929 1631 2604 2785 0102 - 3549 0160 - 0270 00503 3 2225 - 2015 - 2015 - 10313 0237 3 2225 - 10934 - 3559 - 10594 - 10594 173 0237 3 0037 3 2225 - 10934 - 3559 - 10554 - 10554 173 0657 3 10573 | 18.000 | .2861 | 1268 | 3795 | 3375 | 0616 | 1108 | . 2533 | . ar 58 | 0.
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| 1911 1912 1913 1914 1915 | SECTION (1) EXTERNAL TANK | EXTER | IAL TANK | | | DEPENDED | DEPENÇENT VARIABLE CP | بر
ده | | | | | | | | |
|--|----------------------------|---------------|----------|---------|-------------------------|----------|-----------------------|--------------|---------------------------------------|-------|--------|--------|--------|----------------|------------|-------|
| 9.102 -0.016 -0.0260 - | • | 0757 | . 1950 | . 2203 | 7.65 | .2707 | 3139 | ₩. | 3816 | .4378 | .5055 | .5732 | 803 | . 70 85 | .7762 | 85.33 |
| 1972 - 1 | | | | | | | | | | | į | į | | | 9 | į |
| 1943 Chief | • | ¥372 | 0118 | - 3036 | 2878 | .0052 | 9 | 5,04 | | | 0/16 | 9050 | 1 6 | | | 100 |
| 1913 1914 | · | \$08 * | .0243 | 2789 | 2623 | 2083 | .2133 | B 50. | | | 5000- | P/ 45. | 96 | 2000 | 9 5 | 5 6 |
| 1941 1971 1972 1972 1978 | | .5193 | .03¥2 | 100 | . Y. | . 1943 | e | 20. | | | 31/0 | 1000 | | | , E | 4 |
| 1943 0804 -2346 -1248 -1178 -1171 -1171 -1171 -1241 -1863 -1864 | | 513 | .0713 | . Y | 2300 | 1822 | 1161 | 5 5 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | | 1,0052 | 0350 | 2 2 | | - 00B |
| 1.013 | | 5533 | .0803 | 2346 | 2176 | - 17 B | IEID | 9/9 | | 0000 | 0200 | 1000 | 200 | , M | | 8410 |
| 1913 1.0942 2.0942 2.0943 2.1313 2.1931 2.19 | | 5 | .0713 | S. | 2300 | 7 1865 | <u>.</u> | 5 | | 5,20. | 97.0. | 1990 | 20.0 | 6 | 0110 | 7610. |
| 1777 - 1787 - 17 | | 5193 | 2150. | . 257B | 2487 | 587. | ē | 2051. | | | 7000 | 200 | | 0500 - | 0110 | 4920 |
| 7.77. 10.45 - 1.01.0 | | 608 | . 0243 | 2789 | 6663 | -, £083 | 25.00 | | 7,10. | | 1775 | 0459 | ¥100 | 0205 | 6 0 | .0505 |
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אינים | 200 | 6017 | | . 50E | | 98. | 0238 | .0135 | W 10.1 | .0202 | .1183 |
| 1,223 1,029 1,320 1,320 1,320 1,02 | | 57.7 | 5 | , K | 2440 | | K | | - 1667.0 | 1381 | - 1190 | 1900 | 60 | 0263 | .0173 | .1476 |
| . 1316 3 - 1316 2 - 1317 3 - 1 | | 3393 | C . | 2/5/ | 0000 | | 1300 | | | 25.0 | 2800 | 0372 | 0.85 | 0313 | .0239 | .1628 |
| 1318 - 3909 - 31 | | C : | 5 | 0505. | 3366 | 1000 | 153. | | 286 | 2010 | 5492 | 0489 | 0160 | 0276 | .0289 | .177¥ |
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.2313 . 1399 | 72.000 | 2392 | Ķ. | | | | | | | | | | | | | |
| . 13v2 . 1425
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| . 0596 . 1183 | | 1345 | ž. | | | | | | | | | | | | | |
| .0535 .0859 .0053 .0859 .0535 .0859 .0535 .0859 .0538 .0859 .0518 .0783 .0859 .0059 .0059 .1012 .0059 .1012 .0059 .1012 .0559 .1039 .1839 .1815 .0535 | | 9680 | . 1183 | | | | | | | | | | | | | |
| . 0535 . 0659 . 0518 . 0763 . 0659 . 0518 . 0763 . 0659 . 0763 . 0859 . 0765 . 0859 . 1012 . 0859 . 1012 . 0859 . 1012 . 0859 . 1025 . 1025 . 1029 . | | 0659 | . 1012 | | | | | | | | | | | | | |
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| . C535 . 0859
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. 2705 - 1755 | | 6218 | .0783 | | | | | | | | | | | | | |
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| . 1946 . 1183
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| 3:83 | | 2706 | - 1755 | | | | | | | | | | | | | |
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(RB2T01)

MSFC 567(1A32F) 19 53/2 53/2 03 EXTERNAL TANK

| SECTION (| | | | | | | | | | | | | | | |
|-----------|--------------------------|----------|--------|-----------|--------------------|----------|------------------------|--------|--------|--------------|---------|--------|--------|--------|--------------|
| | SECTION (11EXTERNAL TAN | IM. TANK | | | DEPENDENT VARIABLE | T VARIAB | LE CP | | | | | | | | |
| AZET | 12 79. | . 1553 | . 2203 | 7+63. | . 2707 | .3139 | .3₹99 | 3016 | .4378 | .5055 | .5732 | .6408 | .7085 | .7162 | & |
| Ĩ. | | | | | | | | 7300 | | 3.05 | 0250 | .0358 | .0421 | .1082 | .197 |
| 000 | .2160 | - 2050 | 27.6 | . 1368 | 966. | .0317 | 200 | 00/5 | 27.75 | 3820 | 0708 | 0408 | .0304 | 1.097 | 1901 |
| 18.900 | .2155 | 1903 | 3623 | 3308 | 0882 | 1970. | . מ
מי | 7525 | | (F19 - | 0600 | .0179 | 7110. | ₹6_0. | . 183 |
| 35.000 | 1753. | 1728 | 3807 | 3457 | 1532 | 1200 | Curio. | 5639 | | . ב
הייני | 1388 | 0346 | 00:00 | 7170. | 1656 |
| 54.030 | 7.98. | | 3870 | 3787 | 1220 | BBCO. | coso. | 2000. | 3026 | 6621 - | 1800 | .0367 | .0125 | .0529 | 165 |
| 72.000 | .3181 | 1098 | 3676 | - 35+3 | 0386 | .0779 | - 1819 | 0000 | | | 50.0 | 6020 | 95.0 | .0554 | 135 |
| 60,00 | .3563 | 0623 | 3350 | - 3255 | . 1330 | 11/4 | 7 CO CO | 0504. | 7767 | 1999 | 20.0 | 1550. | . 0237 | #35C. | . C6±3 |
| 103.601 | 8244. | 0024 | - 2981 | 2913 | 65:07 | D. 7. | ניייני. | י ממני | 56. | 6690 | 0215 | .0025 | .0345 | .0234 | 54.7 |
| 126.630 | 5148 | .0517 | 2593 | 2₹2 | 1839 | , cos . | 1905. | 00.0 | 0200 | 1920 - | .0351 | 0107 | .03 | .0129 | . 133 |
| 14.030 | .5739 | . 1021 | 2218 | 20gB | - 1694 | 0/91. | . בשנים
ביים | 555 | 589. | 7007 - | 5,43 | 0086 | . Ca. | .0187 | .037 |
| 152.000 | .E150 | .1374 | 1931 | 1.18 | -, 1435 | , cest | 50.6 | 1200 | 990 | 0010 | 0390 | 0107 | .0083 | .0320 | . CO5 |
| 193,000 | .6337 | .1500 | 1799 | 1635 | <u>.</u> | 29/0- | 5 5 | 2687 | | 7000 | - 0415 | 0086 | . 0262 | .0187 | EO. |
| 159.000 | .6150 | 137 | 1931 | 3 | 1435 | - 089c | . ביייי | 200 | | 1920 | . 036 | 0107 | .9379 | .0129 | .033 |
| 216.000 | .5739 | . 1021 | 2218 | - 2098 | ₹69.
• | 15/01 | 200. | מינים. | . 761 | | 32:5 | .0025 | .0345 | . 0234 | A. |
| 234.000 | 5148 | . 0517 | 2593 | ٠.
کړي | 1839 | 7505. | 9 | 1000 | | י המיני | č | . 0221 | .0237 | CHET. | |
| 252.000 | 6244. | ₹00 | 2391 | 2.00.1 | 61.3 | P+C. | ָרְיָלְיִי
מיניי | , 100 | | 121 | C2 10 - | 9309 | 56:0. | \$90°. | 33 |
| 270.003 | .3553 | 0523 | 3350 | - 3255 | . 1330 | 11. | יים מיים | 0504 | 2025 | , CE, - | . d | 1350 | 31.05 | 80.87 | ¥1 |
| 259.658 | 60
F) | 1098 | 3576 | 3543 | 0395 | 9779. | D 10 | 0700 | מממי ו | מששל - | 9050 | 3348 | 0010. | 5173. | . 155 |
| 308.000 | .25+7 | 1+95 | - 3910 | .3797 | - 1820 | Fa93. | 0.50 | 35.00 | 0523 | 1 147 | 090 | 9710 | 7:10. | £270. | . 183 |
| 324.000 | 1753. | 1728 | 3867 | 7545 | :538 | . בפנו | . נהיני
נייני | 5553 | 77.5 | 3850 | 9709 | 8040 | .0304 | 1663. | . 193 |
| 345.000 | .2155 | 1903 | 3625 | 3308 | ce92 | 12/0. | ָטְיָלָי.
טְיָלָייָ | יווטי. | 000 | 405 | 0250 | .0358 | | . 1082 | . 197 |
| 350.000 | .2160 | 2050 | 2746 | - 2559 | - 0998 | .0317 | . 1534 | 3760 | 0000.0 | 3 | | | | | |
| 379.000 | | | | | | | | | 1 | | | | | | |

.9836

- 3557 - 1498 - 0600 - 1688 - 1346 - 1346 - 1195 - 1195 - 1195 - 1195 - 1195 - 1195 - 1195 - 1195 - 1195 - 1195 - 1195 - 1195 - 1196 - 18, 900 98, 600 98,

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| | 1.2 | J. 250 A. | ALPHA (B) | • | MSFC 96711A32F1) TB 53/2 53/2 03
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53 | 3/2 53/2 | | EXTERNAL TANK | ¥ | | (RB2701) | 2 | | |
|--|-----|---------------------------------------|--|--------|--|----------------|---------------------|--|---------------|------------|----------|--|--------------|-----------|-------------|
| CEPLOCENT WARLAR C | | ¥. | | | DEPENDEN | r variab | 9 | | | | | | | | |
| Perpendicut Main | oj. | 93,0 | | | | | | | | | | | | | |
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1557 | | | | | | | | | | | | | |
| 1550 : 2203 : 2347 : 27107 : 3139 : 3949 : 3816 : 4379 : 5085 : 5732 : 6408 : 7702 : 7702 : 2337 : 2741 : 2381 : 11150 - 10025 : 11323 : 3943 : 2862 : 0137 : 0420 : 0645 : 1813 : 2347 : 2741 : 2381 : 11150 - 10025 : 11323 : 3943 : 2862 : 0439 : -4311 : 0104 : 0427 : 0427 : 0427 : 0428 : 2480 : 0439 : -4311 : 0434 : 0432 : 0430 : 0437 : 0431 : 0439 : 0439 : 0431 : 0439 : 0431 : 0439 : 0439 : 0431 : 0439 : 0439 : 0431 : 0439 : 0439 : 0431 : 0439 : 0439 : 0431 : 0439 : 0439 : 0431 : 0439 : 0439 : 0431 : 0439 : 0439 : 0431 : 0439 : | ĸ | | .PHA : 99 | | | | 9.2926 | ATA | | 900 | | 6.6822 | 8 | | 4786 |
| 2337 2808 2818 2828 2839 2816 4379 2620 6117 6400 6117 6400 6117 6400 6118 621 621 622 623 | 룋 | | | | DEPENDEN | T VARIAB | LE CP | | | | | | | | |
| - 3778 - 1356 - 1007 | • | _ | . 2203 | 7.83. | . 2707 | .3139 | ₩. | 3916 | .4378 | .5055 | .5732 | .6408 | .7085 | .7762 | . 9.33 |
| - 3791 - 3386 - 0807 | | | | | | 1 | 1221 | Table 7 | | - 2820 | .0137 | .0420 | .0645 | . 1213 | 18 |
| - 1994 - 1924 - 1924 - 1924 - 1924 - 1931 - 1934 - 1931 - 1934 - 1935 - | ١ | .2337 | £2. | 2391 | - 150
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5 6 | 200 | 300 | 0.553 | 3782 | -650 | 10±0. | .0520 | . 1065 | 180 |
| - 1963 - 3877 - 11606 | • | . 22.14 | B/51 | 3500 | | . B. B. | 1508 | 202 | .0439 | 4311 | 10344 | .0315 | .0357 | 1060. | . 1937 |
| 7. 3663 | • | 200 | 16/6. | 7605 | - 1506 | 0440 | 0687 | 0275 | 1193 | 2213 | .0178 | ₩ | .0295
2 | ₹.
68. | 8 6 |
| - 3510 - 3354 - 1115 | • | 1 200 | 7963 | 3688 | - 0.0. | 0142 | 3626 | 3464 | 3069 | 1491 | -0062 | .0432 | .0278 | .0732 | H*31. |
| - 3025 - 2623 | | 0845 | 3510 | 3354 | .1115 | .4313 | .4155 | 4530 | | -, 1553 | 0250 | .0261 | 1929. | 35.00 | 0/51. |
| - 1862 - 1873 - 1883 - 1884 - 1885 - 1889 - 1884 - 1881 - 1882 - 1885 - 1882 - 1883 - | | 0046 | . 3025 | 2863 | .1160 | .5470 | .5507 | 2101 | .1318 | 0483 | .0257 | . 0323 | 3 : : | 3000 | 4 |
| - 1682 - 1673 - 1693 - 1673 - 1683 - 1674 - 1683 - 1674 - 1682 - 1683 - 1674 - 1683 - 1673 - 1683 - 1673 - 1683 - 1673 - 1683 - 1673 - 1683 - 1673 - | | .069 | 2501 | 2380 | 1423 | . 3232 | .3658 | 1601 | 1705 | 1440.1 | .0003 | ָּהָ בְּהַ
הַיִּבְּיִהְ
הַיִּבְּיִהְ | נומט. | 5010 | |
| - 1666 - 1573 - 1063 - 0758 - 2695 - 1970 - 1010 - 1010 - 1010 - 10115 - 1013 - 1063 - 1013 - 1013 - 1063 - 1013 - 1013 - 1063 - 1013 - | | . 1365 | 2022 | 1872 | 1419 | . 1829 | 2915 | . 2279 | 6990 | * O. O. O. | | | 6120 | 98.6 | .0:82 |
| - 1615 - 1617 - | | T#T1. | - 1682 | 1573 | 1083 | 0758 | C A | 3053 | 1347 | 0698 | \$ 0.0°- | **10. | 6613. | .0323 | 0013 |
| - 2027 - 1872 - 1849 - 2915 - 2279 - 0689 - 0104 - 0112 - 0070 - 0277 - 0107 - 2022 - 1872 - 1849 - 1942 - 1944 - | | . 1892
 | CICI | 1313 | 1083 | - 0758 | 2905 | 2688 | 1040 | .0415 | 0134 | .0136 | . 3219 | .0185 | .C:82 |
| - 1004 - 1250 - 1280 - 1162 - 5970 - 1162 - 1001 - 11705 - 00441 - 10003 - 10124 - 10149 - 10149 - 10149 - 10149 - 10149 - 10149 - 10149 - 10149 - 10149 - 10149 - 10149 - 10149 - 10149 - 10169 - 10149 - 10149 - 10149 - 10149 - 10149 - 10149 - 10149 - 10169 - 10149 - 10149 - 10149 - 10149 - 10149 - 10149 - 10149 - 10169 - 10149 - 101 | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | יייייייייייייייייייייייייייייייייייייי | - 1872 | 6141 | 1829 | 2915 | .2279 | .0689 | 010 | 0112 | 0.000 | .020. | 7010. | 7 |
| 084535252863 .1115 .4313 .19530833 .0257 .0354 .0118 .0851 .0550 .0550 .0550 .0561 .0550 .0035 .0 | | £690. | £ 50 | 2380 | 1423 | . 3232 | .3558 | 1961 | .1705 | 0443 | .0003 | ¥.5 | . 0211 | D\$10. | 5 4 |
| 35103354 .1115 .4313 .415545303653366901440142356634643068366336690164014236673668143140693527160640693527160640693527160640693566379135421526379135421526379135421526379235663792356637933792379237933566379337923793379135421526379337913542152637923793379237933792379 | | 00% | 3025 | 2863 | .1160 | 5470 | .5507 | e101 | .1318 | 0483 | (C) | 5250. | 1920 | | 137 |
| 3663 3669 0.184 0.745 1.305 1.305 1.306 1.306 1.306 1.306 1.306 1.306 1.306 1.306 1.306 0.0810 1.306 0.0810 0.0810 0.311 0.311 0.315 | | 08+5 | 3510 | 3364 | 31115 | .4313 | 1513. | 4530 | 2050 | 5001 | 0000 | , M | .0278 | . 973E | 3.5 |
| 4.569 3527 1505 1528 15 | | 1403 | - 3863 | . 3689 | * B. C. | y 6 | 2000 | . 3404
475 | 0000 | 5122 | 9710 | 55.50 | 3650. | .09₽ | 1646 |
| 37863506080704271696085337820594046405201613357933660807042716962939028200137042006451213274123911150002913233443 9.999028200137042006451213 | | 1806 | - ¥369 | 3527 | 1606 | מיסים. | יים מיניי.
מיניי | ָרְיָּבְּיִרְיִּבְּיִירְ
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מַיִּבְיִירְ | 56.5 | 1154 | 4460. | .0315 | .0357 | 1060. | . 1837 |
| 27%1239008202820 .0137 .0%20 .121327%1239111500823 .1353 .3%43 9.99902820 .0137 .0%20 .0545 .1213 | | - 20% | . S.E. | 3366 | 000 | 0.00 | 200 | 2985 | 0.53 | 3782 | .059 | .0±6
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.5732 젍 - 8254 - 1443 - 0496 - 0453 .5055 -.2119 22.009 .437B 3974. 3973. 3816 7 .3499 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .3139 . 1673 . 3548 . 3548 . 3548 . 536 -.0776 -.0896 -.0199 **2707** - 0.0. ALPHA (1) . -10.000 10.00 . 23±7 -. 1396 ALPHA (9) -. 2203 SECTION (1) EXTERNAL TANK SECTION 1 DEXTERNAL TANK 1350 947. 8151. 8480. -.0011 .9836 1.460 .. 82. 9116 1870. .0757 9727. 9007. 9009. 973. 973. * (*) HOW MACH C 53 P41 162.000 1199.000 215.000 234.000 270.000 270.000 288.000 374.000 360.000 36.000 37.000 X/LT

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MACH (5) . 1.460 ALPHA (1) . -10.000

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| 01+7 | 7110. | | | | | | | | | | | | |
| 0131 | | _ | | | | | | | | | | | |
| 0147 | 7110. | - | | | | | | | | | | | |
| 0151 | <u>.</u> | _ | | | | | | | | | | | |
| .016 | .039 | _ | | | | | | | | | | | |
| .0820 | 1.0° | | | | | | | | | | | | |
| . 1803 | ŧ | | | | | | | | | | | | |
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| SECTION (I)EXTER | DEXTERNAL TANK | J | | DEPENDE | DEPENDENT VARIABLE | BLE CP | | | | | | | |
| .e78; | . 1550 | .2203 | 745. | cocs. | 3139 | 968 | 3816 | .4378 | 5095 | .5732 | 9049 | .7085 | .7762 |
| | | | | | | | | | | | | | |
| 5773 | . 1673 | 6 | 0670 | | 2082 | | 7453 | | 300 | 1770 | 623 | | 10703 |
| 505 | - | .0989 | - 1009 | . 96. | 38 | C###. | 577% | .3360 | 198 | 640 | 10 | | 2 6 |
| 80% | 1386 | 1237 | 1217 | 0845 | .3301 | .4395 | .4693 | 285 | 0846 | .0216 | 0.765 | _ | 0.630 |
| <u> </u> | . 1000 | - 1986 | 1493 | 0802 | 3296 | .¥106 | 3595 | .3615 | 0614 | .0118 | .0057 | | 0856 |
| CCT. | 200 | 86 | - : 498 | 0546 | .4569 | .6915 | 0232 | .3977 | .0408 | 0204 | 0037 | | - 082 |
| 906. | <u>5</u> | - 2258 | 8 | 0573 | .5631 | .6326 | 3118 | | 2178 | 1077 | 1000 | | 052 |
| å
Å | 0237 | . 255 | 2235 | . 1709 | . 1769 | 0303 | 4350 | 3721 | 2845 | 3838 | 6017 | | 0299 |
| .3123 | 93 08 | 2607 | 25.75 | :819 | 023
€20:- | 0287 | 361 | 2350 | 2615 | 0663 | 0508 | . 0451 | 0307 |
| . 2 88 7 | 0778 | 2716 | 2699 | 2230 | 0363 | 029€ | 0682 | 0968 | 2123 | 0753 | 0592 | | 020 |
| . 27 0. | 0750 | 2782 | 2741 | 2210 | 1 1 4 B | .0023 | | 0213 | - 1234 | - : 829 | 0598 | 037B | 0.058 |
| 5275. | 0820 | 2869 | 2657 | 2216 | 160% | .0538 | | .0379 | 3955 | - 1986 | 0560 | 5×00°- | 7110 |
| Į. | 07%0 | 2782 | | 2210 | 1148 | .0053 | 0770 | 0213 | 1234 | - 1829 | - C593 | - 007B | 00 B |
| 2887 | 0776 | 2716 | - 2699 | 2230 | 0363 | - 02g | -, 0692 | 0958 | 2123 | 0763 | 66.0 | | 3000 |
| .3123 | 0508 | 2607 | 2575 | 1819 | - 023¢ | 0287 | | 2352 | 25:5 | 0653 | 0508 | | 9307 |
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ሉ | CECU - | | | | | | | | | 1 | | | |
| | | 600 | - 2236 | - 1709 | 1769 | F0E0 - | 14350 | 1677 | 7546 | 9200 | 6100 | 1 100 T | 0000 |

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6.3619

-. 0633 -. 0584 -. 0395 -. 0469

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MSFC 56711A32F) 19 53/2 53/2 03 EXTERNAL TANK

(RB2101)

| .0951 - 1995 - 1498
.0951 - 1995 - 1498
.1096 - 1996 - 1493
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.1573 - 0991 - 0870
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.0402 | .0037
.0057
.0259
.0374 | 0473
0848
0652
0657 | 0824
0856
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0938 | 0445
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0395
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0633 |
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| .0636 | | | | | | | | | | | |
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| 0266 | | | | | | | | | | | |
| .1105 | | | | | | | | | | | |
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| ALPHA (3) . | -5.000 0 | *.00
• | 9.4738 | PTA | - 25. | 22.009 | 헕 | 6.5300 | A2 | • | 6.3619 |
| ~ | DEPENDENT VARIABLE | VARIABLE | 8 | | | | | | | | |
| .2203 .2347 | . 2707 | E. 9E1E. | 3499 | .3816 | .4378 | . 5055 | .5732 | 8749. | .7085 | .7762 | 6 . 3 |
| , | | | | 6021 | | 2903 | .0788 | 62×0. | 0786 | 0521 | 0766 |
| 1478 | . 985 | 5185. | . 344E
2657 | 1620. | 846 | 2613 | . 0639 | 0139 | 0920 | 0640 | 0684 |
| <u> </u> | 1004 | | | , t, t, t | 9161 | 1485 | .0559 | 0080 | 0509 | 0852 | 0526 |
| 0972 - 1690 - 1550 | 2 101. | | | .3197 | . 2955 | 0953 | 0877 | 1.5241 | 0705 | 0898 | - 0411 |
| - 1849 - 1739 | - 1233 | | • | 1273 | .2952 | .0208 | 1223 | .2639 | 0578 | 0.60 | 1.
[2] |
| | 1334 | | | 349 | | 2538 | 1027 | 0300 | 0598 | 0527 | 0129 |

DATE: 05 SEP 75

(RB2T0))

DEPENDENT VARIABLE CP -5.000 ALPIN (3) -SECTION I DEXTERNAL TANK MACH (5) = 1.460

| g
ē | 0137 | 0133 | 0166 | 6036 | 010 | 0036 | 0166 | 0133 | 0137 | 0129 | 92.55 | - 8:1 | 0526 | - 969 | 0766 | | |
|----------|-------------|--------|--------|------------------|------------------|---------|---------|---------|---------------|----------|---------|-------------------|---------|--------------|---------|---------|-------|
| 3977. | 0260 | 93 | 0256 | . 0037 | .039 | .0037 | 0256 | 0431 | 0260 | 0627 | 0970 | 0898 | 0852 | 0640 | 0531 | | |
| .7065 | 0236 | 0586 | .075 | .0029 | * 600. | .002 | (25) | 0586 | 0256 | 0598 | 0578 | 0705 | 0509 | 0920 | 0786 | | |
| 9. | 0129 | - 268 | 0590 | 0615 | 0526 | 0616 | 0590 | 0468 | 0129 | 0300 | . 0609 | 40. | 0080 | .0139 | .0429 | | |
| .5732 | 0921 | - 953 | 0860 | 1453 | 1661 | 1453 | 0860 | 0455 | 092 | 1027 | 1223 | TT50 | .0568 | .0638 | . 9788 | | |
| .5056 | 2156 | 1837 | 1326 | 1007 | 1158 | 1007 | 1326 | 1837 | 2156 | 2538 | . 0208 | 0950 | 1485 | 2613 | 2903 | | |
| . k378 | 3557 | 1792 | 1359 | 0600. | 9690 | 0600 | 1559 | 1792 | 3557 | | 295. | 2956 | . 1919 | 9.95
8.48 | 9.9990 | 946 | |
| 2018. | R 3. | 1457 | ~.0077 | .0731 | . 380 | .0731 | 0077 | 1457 | 4436 | - 32G | 1273 | .3197 | .4455 | 9774. | .6231 | | |
| 8.A. | 2641 | 548 | .1147 | .0266 | .0355 | . 3266 | .1147 | .0943 | <u>.</u>
8 | .6888 | 6009 | ¥059 | .3875 | .3667 | SAME. | | |
| 3139 | 198 | 6 | 0946 | 1158 | 1603 | 1158 | 0946 | C+60. | 2843 | .6243 | .5635 | 2950 | 2809 | 7062 | 2915 | | |
| .e.e. | -, 1400 | - 1890 | 1992 | 2119 | 2008 | 2119 | 1992 | 1390 | 1400 | - 133 | 1233 | - 0 80 | 1012 | 1004 | 0857 | | |
| 782. | , | - 2396 | - 12 E | . 268 | 24B | . 7. | P. 16 | 2396 | 223 | 1803 | 1718 | 1739 | 1600 | 1473 | 142 | | |
| .2203 | 2 | | 8 | . 33
81
81 | . 23
10
10 | . 23. | | 25±3 | 2442 | 2203 | - 202 | - 1949 | - 1690 | 1543 | 1478 | | |
| <u>.</u> | 8 | - 0122 | .020 | 600 | - 0619 | 250 | . 0281 | 0122 | .0069 | . | 0379 | 989 | 5.0972 | . 1163 | 1180 | | 9£96. |
| CEC. | | | 133 | 2883 | Ñ | 3283 | 3377 | 3556 | 3787 | 4059 | . 1667 | 1964 | 5353 | 5590 | 5863 | | 9116 |
| X/LT | £ 5 | | 000 35 | 162.000 | 180.000 | 199,000 | 215.000 | 234.000 | 252.000 | 270.000 | 298.000 | 306.000 | 324.000 | 342,000 | 360.000 | 378.000 | X/LT |

2.882. 2.1893. 1.1606. 1.1793. 1.1793. 1.0935. 1.0007. 18 000 17 000 17 000 17 000 18 000

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| | | | | | ¥ | C 56711A | 32F.) T9 (| NSFC 96711A32F) T9 53/2 53/2 03 | | EXTERNAL TANK | TANK | | (R82701) | 60 | | |
|--------------------|---------|-----------------------|--------|------------|----------|----------|-----------------------|---------------------------------|---------------|---------------|---------|-------------|----------|----------|---------|----------|
| - 15 1 HACH 1 51 - | ÷ | 1.460 | \$ | ALPHA (%) | • | -2.000 Q | • | 9.4738 | ATA | 8 | 22.009 | 분 | 6.5300 | 8 | • | 6.3619 |
| SECT10 | 3(1) ! | SECTION (1) EXTERNAL | TABE | | | DEPENDE | DEPENDENT VARIABLE CP | PLE CP | | | | | | | | |
| X/LT | 9 | 1. 7270 | . 1550 | . 2203 | 745. | .פרש. | .3139 | .3499 | 3816 | .4378 | .5055 | .5732 | .6408 | .7085 | .7162 | 9.
8. |
| ā | | | | | | | | | | | | | | į | | į |
| Ē | | | 903 | 5 | 1697 | 1338 | .2232 | .2979 | .5762 | | 3191 | . 1.73
S | .0705 | 0501 | | 53. |
| 50. | | | | | 1700 | 1981 | 5 | .3208 | 14077 | 2848 | 4081 | 1351 | .0265 | 0932 | 0273 | 0259 |
| 18.000 | | | | | 2101 | 5 | 2366 | 3328 | .3957 | . 1678 | 2106 | .0788 | -, 0203 | . 1610 | 0706 | 82.10 |
| 98 000 | | | • | | | 4 | 1 | 37.62 | .220 4 | .1392 | 127E | 1506 | 0232 | 0481 | 07 | 0166 |
| 00 · 3 | | | • | | | 1214 | 3.00 | 5.00 | 7419 | 1062 | .0155 | 1478 | . 1278 | 0510 | 0800 | 0130 |
| 72.000 | _ | | • | . e10c | 2 2 2 2 | 101. | 3000 | 7483 | 3511 | | 2756 | - 1041 | .0481 | | . 6535 | - 0009 |
| 90.00 | _ | | • | . 21 S | <u> </u> | 5500 | 0.00 | 2150 | 78.47 | - 3466 | 1077 | -,0596 | 0224 | | C2CB | . D012 |
| 108.000 | | | • | 9022 | 1/10. | | 1050 | 9 | 0588 | - 1969 | +160 | 0273 | 0265 | | 0326 | DD77 |
| 126.000 | | | • | .6314 | | | 0220 | 0.00 | 0706 | -, 15.03 | -, 1093 | 0551 | 0383 | | 0297 | .0036 |
| 144.90 | | | • | 2330 | 2303 | 2 | | 9090 | 000 | 54.45 | - 0950 | -,1236 | 0571 | | 0105 | . 0033 |
| 162.000 | | | • | 2309 | 2219 | 1691 | | 2000 | 1881 | | 091B | 1413 | - 0543 | 0099 | .0065 | - 0232 |
| 180.009 | | | • | 2196 | 2122 | • | 101. | 5000. | 000 | 25.40 | 0950 | 1236 | 0571 | | 0105 | .0033 |
| 198.00 | | | • | 2309 | 2519 | • | 143 | 999 | . ממני | 5001 | 1002 | 1951 | - 0.383 | | 0297 | .0036 |
| 215.000 | | | • | 2330 | 2309 | 1787 | 0330 | . 101. | 00/0 | 900 | 100 | | . 0265 | | 0326 | E077 |
| 234.000 | | . 0114. | •
• | 2312 | - 2255 | 1679 | BC01. | 1051. | 75.17 | 2466 | 7.701 - | 95.0 | -,0224 | | 0208 | . 0012 |
| 252.000 | | | • | 2208 | 2171 | 1518 | X : | 5015. | 200. | 5 | 2756 | 100. | 283 | | 0535 | 0009 |
| 270.009 | _ | | | 2139 | - 1956 | 0833 | 2 | . 1383 | 100 | á | | | 97.61 | - 0510 | -, CB00 | 0130 |
| 288.000 | | | • | 2102 | 1763 | - 13:4 | 5005 | S 6 |) is is | . 202 | 3761 | | | | 1770 | 0166 |
| 306.000 | _ | | • | 2011 | 1811 | ₹. | Ž. | .3742 | ילינל | 36. | • | | 1000 | | - 0705 | 0.50 |
| 324.000 | | | . 2650 | 1873 | 1812 | 0, | .2266 | 3358 | 7685 | 9/01: | • | | . 0000 | CROO | 2750 - | 9560 |
| 342.000 | _ | | . •690 | - 1795 | 1709 | 1391 | ĘÝ. | .3208 | 1/04. | Page 1 | • | 1661. | | 1020 | 1 | 30.00 |
| 360.000 | | | • | . i 785 | 1697 | 1338 | .2232 | 2979 | .5762 | 9990 | 5191 | Ç | 00/0 | 1000 | | |
| 378.099 | c | | | | | | | | | 14A. | | | | | | |
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101. 2050. 2119. 2038. 2038. 2039. 2039. 2039. 2039. 2039. 2039. 2039. 2039. 2039. 2039. 2039. . 2007 . 2007 . 2008 . 18 . 000 36 . 000 37 . 000 90 . 000 90 . 000 100 . 000 1150 . 000

(AB2701)

5500. 5000. 5000. 6050. 6050. 6050. 6050. 6050. -.0382 -.0703 -.0535 -.0308 -.0308 .7762 -. 9100 ð -.0149 -.0052 -.0137 -.0052 -.0149 -.0194 -.0468 -.0223 -.0108 -.0568 -.017* -.0602 -.0068 -.0168 -.0223 -.0289 -. 02E0 7085 3150.-9150.-9050.-9050.-9150.-.0883 .0%26 -.0880 -.0337 .0720 -.0263 **6**408 - 1859 - 1948 - 1072 - 0463 - 0395 - 0395 - 0395 - 0165 - .5732 .1556 Ę -.0721 -.0708 -.0745 -.0696 -.0696 -.3011 -.4091 -.2350 -.1300 .0005 -.2450 -.2450 .0005 -.1300 -.2350 -.4091 5035 -.0745 -.0708 -. 9721 22.00a - .2049 - .2264 - .0518 .0752 .0752 - .0618 -.2049 \$5.4. 87.4. 9990. 87.4. -.0354 8. g. . 8. g. . 8. g. . £378 -.0354 .0010 .0792 .1344 .1344 .0792 - 3592 - 3593 - 5636 - 5636 - 3592 - 3793 - 3816 .5194 .3793 .3793 .454 .2656 -.3592 -.3140 PTA .3000 .3000 .3000 .3193 .3663 .7496 .7496 .7593 .7690 .7690 .7690 .7690 .7690 .7690 .7690 .7690 .7690 .7690 .7690 .7690 .7690 2622 .4373 .4373 .7496 .4145 .3863 .3193 .3000 æ. DEPENDENT VARIABLE DEPENDENT VARIABLE .2001 .1597 .4651 .4376 .4376 .1520 .1317 .1560 .1377 .1560 .4376 .1561 .1597 .1593 .1593 3139 . 1423 . 1370 . 0630 . 1572 . 1673 . 1673 . 1673 -.1319 -.0230 -.1370 -.1675 -. 1381 -. 1389 -. 1589 **.2707** 8 96. 7 -.1986 -.2109 -.2181 -. 1929 -. 1933 -. 2050 -. 2098 -.2181 -.2038 -. 1933 7.63. -.20% -.2010 -.195% -.2121 28 ± ± 28 -.2121 - - -APM 1 5 -.2027 -.2100 -.2101 -.2189 -.2155 -.2174 -.2189 -.2189 -.2113 -.2118 -.2174 - 2:55 -.2:00 -.**202**7 -.2022 . 283 -.2118 -. 2023 -. 2022 -.2189 -.210: - 1904 - 0963 - 0997 - 2063 - 3777 - 347 - 1393 - 1393 - 1393 SECTION I DEXTENDED TANK Š -. 1012 SECTION (1) FXTERNAL TAN 3 3 4 118 .0757 S M - 16 - 10m HACH - 55 935.000 935 342.000 360.000 **■**₩%6888€ Ī

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DATE 09 SEP 75

| 1AK | |
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| EXTERNAL TANK | |
| 19 53/2 53/2 03 | |
| HSFC 567(1A32F) T | |
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| MACH (5) * 1.W86 A | 1.4 1.8 1.4 1.1 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 | 1.466 AL | ALPHA (5) | • | . 200
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DEPENDENT VARIABLE CP | 8 | | | | | | | | |
|----------------------------|---|----------|------------|--------------|------------------|------------------------------|----------------|----------------|--------|---------|-------------|----------|-------|--------------------|------------------|
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| 162.000 | 50
50 | .7675 | | | | | | | | | | | | | |
| 180.000 | 0.00 | .0¥87 | | | | | | | | | | | | | |
| 199.000 | .0152 | . 0675 | | | | | | | | | | | | | |
| 215.000 | 608 . | . 0915 | | | | | | | | | | | | | |
| 234.000 | .062 | 6 | | | | | | | | | | | | | |
| 252.000 | . 1238 | . 1393 | | | | | | | | | | | | | |
| 270.000 | .7.80
80 | 5,40. | | | | | | | | | | | | | |
| 268.000 | . 2785 | ms. | | | | | | | | | | | | | |
| 306.009 | . 2633 | .2655 | | | | | | | | | | | | | |
| 324.000 | 9162. | .0997 | | | | | | | | | | | | | |
| 3+2.000 | 355 | 0863 | | | | | | | | | | | | | |
| 360.000 | .4120 | - 190 | | | | | | | | | | | | | |
| MACH (5) | • | 1.460 AL | ALPHA (6) | • | 2.000 0 | • | 8.4738 | P.Y | • 55. | 22.009 | 륁 | • 6.5300 | ¥. | ığ
• | 6.3619 |
| SECTION (1) EXTERNAL TANK | DEXTER | IAL TANK | | | DEPENDE | DEPENDENT VARIABLE | LE CP | | | | | | | | |
| ¥ 21.4 | 6 | 986 | 2203 | 7347 | .2707 | 3130 | 88 Å. | 3816 | .4378 | . 5055 | .5732 | .6¥0B | .7085 | 377. | 6 6.36 |
| ì | | | | | • | | | | | | | | | | |
| ī | • | 2 | OKEC | | | 1 | 38.65 | 9083 | | 2657 | 6550 | .0828 | 0107 | 19267 | (6:0: |
| 900 | | | 8 C C | - 2145 | 1618 | 98 | 75.5 | 4.55 | .2079 | 3939 | .0362 | C+50 | 0266 | 10371 | 87.00° |
| 36.000 | 8 | 600 | . 2191 | 2063 | - 12±8 | 1200 | 2862 | .3556 | . 1604 | 2675 | 1098 | 0037 | 000B | .0003 | 0610. |
| 800 · 40 | Ř | 0061 | 2172 | 2049 | £ | 9760. | . 293 | ₹ 460 . | . 0689 | 1514 | 1748 | 0029 | | 31 9 | . 0¥93 |
| 72.000 | 1.
E | .0089 | 2177 | ₹15:- | 1478 | .3519 | .3113 | 3177 | 1372 | 0384 | - 130 | .0677 | | 0323 | 86
2. |
| 96.000 | | .020· | 415 | 2038 | 1009 | .6121 | .7350 | 3639 | | 1062 | 953
5.53 | F086- | | | 7 |
| 109.000 | £6. | 6.5 | 2078 | 2021 | - 1392 | . F.336 | 9.6 | 2558 | 7615. | U441 | 1.0cc4 | , dib. | | 100 | . DEP. |
| 126.003 | . B. | 6940 | 7961. | 28 | 1630 | 200 | 2//2: | 1000 | 120 | . 0.000 | 1920 | | | 0151 | 1 e02 |
| 144.000 | | 56.5 | 1810 | - 1752 | 27.7 | 1960 | 5570. | 1539 | 1760 | 0478 | 0735 | | | 0147 | B+03. |
| 180.000 | 5187 | 0603 | <u>.</u> | 1833 | 1278 | | 6547 | . 1958 | . 1468 | 0360 | 0829 | | | _ | 0159 |
| 198 000 | \$104 | 0583 | 1910 | 1752 | 1475 | ∙ 960`- | 5570. | . 1539 | .097 | 0478 | 0735 | | | 2147 | ぬ まいい。 |
| 216.000 | 9564 | 9518 | 1908 | - 1861 | 1628 | 000 | . 1322 | . 104 | 0216 | 0486 | 0261 | | | 0151 | E 600. |
| 234.000 | .¥781 | 69.0 | 1907 | 1907 | 1630 | . 1853 | £77€. | . 0563 | - 1507 | 0506 | 0017 | | | <u> </u> | 24 CO. 1 |
| 252.000 | 1644. | 94.19 | 2578 | 202: | 1392 | . 4235 | 848 | 2658 | 2152 | 0.23 | 0234 | | | # 1
1
2
1 | 6310. |
| 270.000 | .416 | .026 | 2177 | 2038 | 1009 | .6121 | .7350 | 3639 | | 1052 | 0531 | 6000 | | . 영향
- | (6.63)
(6.63) |
| 288.000 | 5.14. | . 0069 | 1.5:77 | ₹ <u>7</u> - | 1478 | .3519 | 31.5 | 3177 | | 039 | - 1135 | .557 | | 0523 | |
| 375.000 | 395 | 0:06: | SC 12 | 2049 | £6±1.− | 6260. | -263. | ₩ | . 0589 | 15:4 | 1769 | 6035 - | | 5 | M (|
| 3₹.900 | | -, 009 | 2181 | 2053 | 1548 | . 1200 | . 28 62 | 35.6 | . 1624 | 2675 | 1098 | | DOC# | | 66.6 |
| 34c Pi0 | | C07. | 22:9 | 2145 | 1618 | . 1368 | -275. | | 6/02. | 3939 | .0362 | | 1265 | [2] | 6,75 |
| 360 000 | 3928 | -, 0076 | 2338 | 2249 | - 1546 | 1554 | .2655 | 30 8 →. | 9.9993 | 2657 | 6350 | . C838 | 516 | . 2567 | ii) |
| | | | | | | | | | 9239 | | | | | | |

(RB2701)

DATE: 03 SEP 78

TABLA ATED SOUNCE DATA, MSFC THE SG7 (1A32F)

EXTERNAL TANK MSFC 567(1A32F) T9 53/2 53/2 03

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DEPENDENT VARIABLE

8 9116

SECTION 1 DEXTENDAL TANK

MOH (5)

5070.-5070.-6055. 6056 18.000 36.000 37.000 37.000 39.000 39.000 39.000 39.000 39.000 36.000

ð 6.5300 22.003 PTA 5.000 ALPHA : 71 -. 3 . W. 130

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8 A.

6.3619

8 ¥378 3810 VARIABLE CP DEPENDENT 7 X X SECTION 1 DEXTENDAL

6250. -.0208 -.0398 -.0377 -.0737 -.0315 -.0303 -.0357 -.0303 -.0180 1.75. 1.77. 1.62. 1.62. 1.62. 1.63. . 1825 . 1432 . 0465 - . 1830 . 1208 . 0350 . 0350 . 1228 . 1228 . 0350 . 1208 25.00 .3139 - 1311 - 1250 - 1461 - 1392 - 1131 - 1131 - 1250 - 1392 - 1461 - 1250 -.1980 -.1987 -.1789 **COTS**. - 2205 - 2169 - 2287 - 2287 - 2073 - 1931 - 1358 - 1307 - 1539 - 1539 - 1539 - 1539 - 1539 CACS. - 1620 - 1446 - 1400 - 1620 - 1620 - 1620 - 2349 5055.-5055.-5055.-5055.-5055.-1615.-16 . EP13 -.0316 --0326 --0236 --0236 --0103 --01305 --0331 --0331 --0331 --0331 --0331 --0331 --0331 --0331 --0331 --0331 --0331 <u>.</u> 6 36.000 36.000 37.000 37.000 90.000 108.000 118.000 118.000 118.000 118.000 118.000 118.000 118.000 118.000 118.000 118.000 X/LT

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HACH (5) = 1.460 ALPMA (7) = 5.900

| 1,000 1,00 | | SECTION (1) EXTERNAL TANK | DEXTER | WL TANK | | | DEPENDENT VARIABLE CP | IT VARIA | PLE CP | | | | | | | | |
|---|--|----------------------------|---------------|----------------------|------------------|---------------|-----------------------|----------|---------------|---------|---------|---------|--------|--------|----------------|-------------------|-----|
| 10 13 13 15 15 15 15 15 15 | 1916 1922 1923 1924 1925 1924 1925 | X/LT | 7570. | 9861 | . 2203 | 7453. | .2707 | 3139 | 8 5.66 | 3016 | .4378 | .5055 | 5735 | .5±08 | .7085 | 536 | ¥. |
| 000 3392 - 0292 - 2292 - 2297 - 2799 0.083 - 2892 - 1799 0.084 0.095 0.0 | 000 3392 - 1287 - 1287 - 1287 - 1180 3 1392 - 1287 | æ | | | | | | | 1 | 1 | | į | į | 2120 | č | ¥ | 5 |
| 000 3392 - 0235 - 2237 | 000 3391 - 0292 - 0235 - 2257 - 2257 - 2167 - 1169 | 286.000 | 0164. | 0102 | 2335 | 22 6 7 | 1311 | <u>.</u> | 1318 | R
表: | 1830 | 250.1 | 10734 | 6650. | 96.40 | 7 6 | į |
| 000 3392 - 0392 - 3292 - 2219 - 1189 | 000 3381 - 0.029028222181789 | 306.000 | 3662 | 0236 | 2387 | 22XT | 1758 | . 1302 | . 1873 | - 0259 | Ç : | 716317 | 6 5 | 0.000 | 0000 | | |
| 9116 - 2623 - 1,0234 - 1,223 - 1,2216 - 1,1950 - 1,195 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,241 - 1,242 - 1,242 - 1,241 - 1,242 | 9116 9936 -1253 -1263 -11647 1119 3-295 | 32.000 | <u>.</u> | ٠.
وي | . Y | 2189 | 1789 | .0383 | Ž. | B#15. | 7 | | 1256 | A.C. | 1 6 | | 110 |
| 9116 9936 | 9116 3881 -10315 -12328 -12218 -11800 11 3428 3429 34293 342 | 3+2.00D | .33% | 0326 | 2503 | 2205 | i887 | . 159 | % | .3613 | S 65 | 14/6 | 990 | 27.5 | , E00. | 200 | Ķ |
| 9916 1983
1990 1-9438 - 1891
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TABLEATED SOUNCE DATA, HISTO THT SET (1A32F)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PTA
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                                                        NSFC 967(1A32F) TO 53/R 53/2 03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . W.88
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                                                                                                                                                                         DEPENDENT VARIABLE CP
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(RB2701)

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DATE: 05 SEP

EXTERNAL TANK NSFC 567(1A32F) 19 53/2 53/2 03 -2.99

.. 88:

MACH (6)

-.0030 -.009* -.0052 -.0135 .0368 .0368 .0105 .0253 .7162 .7085 .0105 -.0105 .0221 .0971 .0520 .0550 .0550 .0563 9.408 .0364 -.0346 -.1124 .0236 .5732 .0836 -.0071 -.035f -.1959 5055 .2119 .2119 .3880 .4410 .9990 ₩37B -.0138 .2838 .3273 .33% 3016 .670% 1.151 1.51.5. 2.15.5. 805.5. 85K. DEPENDENT VARIABLE .0326 -.0075 -.0173 -.0147 .3139 -.0419 -.0411 -.0490 -.0532 cors. -.0836 -.0709 -.0709 -.0678 . E.S. -.062i -.070i -.0629 2203 SECTION (1) EXTERNAL TANK <u>.</u> 1.98. 1.98 1.419 1.426 1.405 .5287 .5286 .5296 65 286.000 306.000 374.000 34.000 378.000 378.000

.9836 .9116 X

. 1969 . 1964 . 1664 . 1039 . 1070 . 1070 . 1070 . 10315 . 10315 . 1629 . 1464 . 1391 . - 1559 - 1569 6410. 6410. 6410. 6400. 64 18.000 38.000 19.000

ş .7085 7.0986 륟 27.998 7 • 10.290 DEPENDENT VARIABLE CP 8 ALPHA (%) SECTION (1) EXTERNAL TANK .. 86: HYCH (B)

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.0587 .0587 .0037 .0038 .0038 .0345 .0349 .0101 .0282 .0196 .7762 -.0132 -.0064 -.0189 -.0189 ...6408 .0161 .0048 .0421 .0331 -.0528 .5732 -.0814 -.1891 -.0504 -.0280 -.0775 -.1696 . 5055 .+378 .4093 .3632 .1315 -.1386 .3072 .2853 .2797 .2161 -.0560 .3816 .1975 .1995 .1845 .1236 .5793 ¥99 .3139 -.0235 -.0235 -.0118 -.0118 .1172 -.0593 -.0553 -.0550 -.0511 -.0511 -.0862 -.0927 -.0921 -.0962 -.0962 C#5. .2203 -.0637 -.0878 -.0869 -.0903 -.0903 . 1550 .0928 .0912 .1003 .0951 .1005 123 .4702 .4621 .4713 .4699 .4506 .000 18.000 36.000 72.000 90.000 X/LT

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MSFC 567(1A32F) 19 53/2 53/2

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HACH C 63

EXTERNAL TANK

7510. 6610. 6600. 6600. 6600. 7510. 7510. 7510. 7510. 8600. 8600. 8600. 8600. 8600. 8600. .0066 -0082 -0082 -0092 -.0185 -.01**85** -.0071 .7085 0.030 0. 9£08 .5732 . 1290 . 1136 . 6091 . 0300 . 0300 . 0300 . 136 . 1136 . 0775 . 0890 . 0800 . 0 . 1315 . 3632 . 4093 9. 9990 - 1906 - 0668 - 0668 - 0692 - 0692 - 0668 - 1906 -.1386 .4378 3016 1782. 1901. 1900. 1000. 1000. 1000. 1000. 1000. 1000. 1000. 1000. 1000. 1000. 1000. 1000. 1000. 1000. 3499 DEPENDENT VARIABLE ..0750 ...0427 ...0483 ...0464 ...0463 ...0483 ...0483 ...0182 ...0182 ...0182 ...0182 3139 -.0540 -.0530 -.0593 -.0584 -.0572 -.0667 -.0861 -.0789 -.0789 -.0861 -.0687 -.0572 -.0572 . 2707 23.7 ..0936 ..09379 ..0939 ..0938 ..0938 ..0938 -.0942 -.0903 -.0903 -.0878 2203 1350 SECTION (I) EXTERNAL 65 PHI 108.000 1175.000 1185.000 1185.000 1185.000 1186.000

OF POOR QUALITY

11531 - 1670 - 17670 -

.3137 .0779 .0338 .0338 .0378 .0142 .0142 .0142 .0142 .0142 .0142 .0142 .0142 .0142 .0142 .0142 .0142 .0142

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| 04 FF 05 SEP 75 | 1 2 | | | TABLE | ATED 500 | IPCE DATA | TABULATED SOUPCE DATA, MSFC THT | 8 | ,A32F) | | | | | PADE | 8 |
|-----------------|-----------------------|--------------------|------------|--------|-------------|----------------|---------------------------------|----------------------|---------------------------------------|---------|----------------|--------------|---------|------------|-------------------|
| | | | | Ą | C 567114 | ET (75) | MSFC 56711A32F1 T9 53/2 53/2 | 8 | EXTERNAL | TAK | | (RB2T01) | 60 | | |
| MCH (6) | 1.980 | | ALPHA (5) | • | 2.000 a | • | 10.290 | PTA | | 85.73 | e
e | 7.0986 | ž | • | 3.8676 |
| SECTION | SECTION (1) EXTERMIL | L TAK | | | DEPENDENT | INT VARIABLE | BLE CP | | | | | | | | |
| X/LT | rero. | 9261 | . 2203 | 7.63. | .2707 | .3139 | .3489 | 3816 | .4378 | . 5055 | .5732 | .6408 | . 7085 | 3 | 8 |
| ā | | | | | | | | | | 9 | | 900 | 96.30 | ş | 067 |
| 900 | | ě. | 1025 | 0988 | . 97P. | | | 908.
608.
618. | | 1 1 | . 0250
2525 | 0242 | . 0253 | 0398 | |
| 18.000 | | .0835 | - 1943 | - 0983 | - 1888 | 1000 | 969 | | 33.68 | 0687 | 1296 | .0248 | 0139 | 9 | .0135 |
| 36.000 | | 998 | - 1078 | 9560 | 1000 | • | 2012 | 1480 | . 0945 | 0430 | 1333 | .0248 | 0060 | ₹
20. | .0007 |
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8 | | | | 0971 | - 1685 | 1720 | .4822 | 099 | 1638 | 1630 | 9610 | 0211 | | E\$10. | 500. |
| 76.000 | | 0983 | 0893 | 0878 | 0539 | .3530 | 1.0216 | 0799 | ; | 1138 | 5.5 | 0403 | . 1819. | יים
מים | 91.00 |
| 000.00 | *683 | 101 | 0823 | 0868 | 0487 | | | 0332 | 1479 | | | 5 6 | 2600 | 3 | 610. |
| 126.000 | 7164. | . 1263 | 0809 | 0843 | 0635 | | | 9815. | י.
פינים
פינים | 14/0 | . DD98 | 0131 | | 0038 | .0187 |
| 144.000 | .5147 | 1. | 0695 | | 0680 | | 946 | 25.00 | 50. | 2 8 | .0051 | 0196 | | 0053 | £200. |
| 162.000 | | .1473 | 0638 | 0717 | 0512 | 1.03.0
CECO | | 0293 | 1476 | .0768 | .0123 | 0233 | | 0060 | 0060 |
| 186.000 | | 6641 | 0636 | 7.07. | :
5 i | | 5600 | .0832 | 1051 | .0485 | .0051 | 0196 | | 0053 | ¥00. |
| 198.000 | | 27.1. | 9696. | | 0880 | | 1349 | .1190 | 0440 | .0323 | 0098 | .0131 | | 0038 | . 919.
19. 19. |
| 216.030 | | | | | | | | .2188 | 0242 | 1.0741 | .0195 | \$ 0. | .0097 | | 7810. |
| 234.000 | /164· | 565 | | | 0487 | | | 0332 | 1479 | 104. | .0255 | ₹ 0.0 | | .0112
 | 0910. |
| | | 0993 | | 087A | | | _ | 0799 | | 1138 | 0470 | 0403 | | 100 | 1000 |
| 286 100 | | .0839 | | | | | | 099 | . 1639 | -, 1630 | .0198 | 0211 | *500. | 7 7 7 | 7000 |
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| 378.000 | | | | | | | | | | | | | | | |
| X/LT | 9116 | 9836 | | | | | | | | | | | | | |
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| 000 | .3347 | 14E3 | | | | | | | | | | | | | |
| 18.000 | .2683 | 0762 | | | | | | | | | | | | | |
| | 9 25 | 2/01. | | | | | | | | | | | | | |
| 72,000 | • | 3863 | | | | | | | | | | | | | |
| 90.000 | .1798 | 0380 | _ | | | | | | | | | | | | |
| 108.000 | • | 6460. | _ | | | | | | | | | | | | |
| 126.000 | • | .1187 | | | | | | | | | | | | | |
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| 305.000 | 81/0. | 200 | | | | | | | | | | | | | |
| 364 . EUL | | | | | | | | | | | | | | | |

TABULATED SOUNCE DATA, MSFC THT 567 (1)

.7162 ğ 7085 (RB2T01) 7.0986 . 6408 - .093 - .053 - .0155 .0165 .0364 .0116 .0078 .0108 .0078 .0078 .0078 .0078 .0078 .0078 .0078 .0078 .0078 .0078 .0078 .5732 Ę .5055 EXTERNAL TANK 86 2 .4378 .28624 .28624 .0504 -.1318 . 0566 . 0330 . 0669 . 1332 . 1332 . 0650 -.1318 .0504 .2824 .2586 9.9990 -.0E56 PTA .3816 MSFC 567(11A32F) T9 53/2 53/2 03 3499 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .3139 - . 0908 - . 0836 - . 0849 - . 0787 - . 0575 - . 0575 - . 0515 - . 0215 - . 0215 - . 0215 - . 0215 - . 0215 - . 0215 - . 0215 - . 0215 - . 0215 - . 0215 - . 0216 - . 7002 5.000 2.000 - 0802 - 0803 - 0803 - 0933 - 1020 - 1020 - 0925 - 0829 - 0889 .2347 -.1024 -.1020 -.0633 -.0602 -.0459 -.0294 -.0189 -.0859 -.0877 -.0925 6 ALPHA (6) -.0918 -.0543 -.0549 -.0128 -.0128 -.0549 -.0549 -.0549 -.0549 -.0549 -.0548 -.0548 .2203 -.0908 -.102% -.11%6 -.1152 -.1146 -.1024 -.0938 SECTION ! INEXTERNAL TANK .9838 -.0702 SECTION (1) EXTERNAL TAN . 1350 -.1600 -.0577 -.01311 -.3155 -.1522 -.1541 -.900 .980 ... 9116 . 33%7 33%7 150 . MACH (6) - HOW 342.000 360.000 18.000 38.000 72.000 172.000 11.00 10.00 1 .000 36.000 72.000 90.000 108.000 X/LT X/1 ₹

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DATE 05

MSFC 567(1A32F) 78 53/2 53/2 03 EXTERNAL TANK

| (1982101) | | | |
|---------------------------------|------------------------------------|----------------------------|------------|
| EXTERNAL TANK | | | |
| MSFC 567(1A32F) T9 53/2 53/2 03 | | EPENDENT VARIABLE CP | |
| MS/C 36 | MCH (6) - 1.980 ALPM (6) - 5.000 | 130
130 | |
| | 1.980 AL | SECTION (1) EXTERNAL TANK | 908. 9116. |
| | MACH (8) • | SECTION (1) | X/LT |

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| | | | | | | | | | | | | | • 27.986 |
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| | | | | | | | | | | | | | . 2. |
| | ID. | • | 10 | a. | _ | • | a | 1 0 | _ | _ | , | | ALPHA (7) - |
| | Š | 9 | ğ | 98 | 3. | <u>.</u> | . 152 | 3055 | <u>8</u> | .131 | 067 | - 160 | 1.960 |
| | .0131 | 3.0. | .0131 | .0161 | .033 | 101. | 203 | .20v2 | 2002 | £. | .307 | 306. | |
| Ē | 162.800 | 180.00 | 198.000 | 215.000 | 234.000 | 252.000 | 270.000 | 288.000 | 306.000 | 324.000 | 3v2.000 | 360.006 | - (9) - |
| | | | | | | | | | | | | | E |

| MACH (6) | 8:: | | ALPIN (7) - | | 8.000 | • | 10.290 | AT. | | 27.996 | ď | - 7.0986 | \$ | • | 3.8676 |
|-----------------|---------------------|---------|---------------------|---------------|-------------|-------------|----------------|---------------|--------|--------|--------|-----------|------------|--------------|---------------|
| SECTION (| SECTION (1)EXTERMA | W. TANK | | | DEPENDENT | NT VASIABLE | BLE CP | | | : | | | | | |
| X/LT | cers. | . 1350 | . 2503 | 7.83. | .2707 | . 3 36 | . 3.98 | Sign. | .4378 | 6006. | .5732 | 9046 | .7065 | 31. | R. |
| Ī | | | | | | | | | | | | | | | |
| 8 | £. | | 0631 | . 988 | 0767 | .0131 | Ę | .:760 | | ₹0 | .0120 | 0803 | .119 | 1. XX | E. |
| 18.00 | 100 | |
833 | - 9676 | 0761 | 1919. | 6690 | . 1509 | . 1588 | 0979 | 0128 | 0786 | <u> </u> | | 86 . |
| 36.000 | .3188 | | 0763 | 0787 | 0876 | .0060 | .0767 | 1082 | .2316 | 1192 | 1078 | 0187 | 96×3. | 101. | . 198 |
| 8 6.66 | 360 | | . 9939 | 0987 | 0909 | .0210 | . 1002 | 0589 | 0766 | 1943 | .056 | .0150 | .0159 | .0883 | 8 2 |
| 72.000 | ¥03. | | - 1188 | 10 | 08∿2 | . 160 | . 202 6 | 2278 | 1842 | 1526 | 0256 | .03% | 99 | .0737 | . 1000 |
| 90.000 | £3. | | . 0949 | 0983 | 0866 | <u>*</u> | .9735 | 0678 | | 0847 | 0493 | 0264 | 0147 | 0100. | 9880 |
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TABLEATED SOUNCE DATA, HSFC THT 567 (1A38F)

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-.0257 -.0257 -.0089 -.0238 -.0283 -.0175 -.0022 -.0055 -.0037 -.0285 -.0537 -.0257 -.0022 .0103 .0074 .0075 .0103 .0103 .0104 .0245 .0110. .0210 -.0078 -.0093 -.0078 -.0119 -.0130 .0070 -.0007 . 3032 - 348: - 0231 . 0535 . 0535 . 0280 . 0287 . 0280 . 0285 . 0535 . 0535 -.0488 .0671 .2044 .2033 9.9990 .2033 .20% .0671 .068 .0506 .0506 .0506 .0306 .0556 .0366 .0505 .0505 . 0360 . 0260 . 0260 . 0260 . 0060 . 0060 . 0060 . 0060 . 0060 . 0060 . 0060 . 0060 . 0060 . 0060 . 0060 . 0060 . 0060 . 0060 .0198 -.0317 -.0268 -.0256 -.0256 -.0258 -.0317 -.0339 -.0390 - 0086 - 0390 - 0390 - 0386 - 0376 - 0339 -.03v3 -.2268 -.008v 20703 20709 20709 20709 20709 20709 20709 20709 20709 20709 . 000 9 8 000 9 9 000 108 000 108 000 118 0

6420.-6010.-60

4.0313.4 2.0313.4 3.030.4

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TABLLATED SOURCE DATA, MSFC THT 567 (1A32F)

EXTERNAL TANK

(RB2T01)

| | | | | HSFC | : 967(1A3 | 25 19 S | HSFC 967(1A32F) TB 93/2 53/2 03 | | EXTERNAL TANK | ž | | | • | | |
|-----------------------------|---------------|-----------|--------------|-------|-----------------------|-----------------------|---------------------------------|---|----------------|--------|----------|----------|------------------|---|----|
| MACH (7) • | | 2.990 A | ALPHA (5) | • | 2.000 | | | | | | | | | | |
| SECTION (1) EXTERNAL TANK | DEXTER | NAL TANK | | | DEPENDENT VARIABLE CP | T VARIAB | اد م | | | | | | | | |
| X/LT | .9116 | 9636 | | | | | | | | | | | | | |
| Ē | | | | | | | | | | | | | | | |
| 000 | .061¥ | 1 | | | | | | | | | | | | | |
| 18.000 | <u> </u> | | | | | | | | | | | | | | |
| | 1800 | 5160. | | | | | | | | • | | | | | |
| 72.000 | 90. | \$ io. | | | | | | | | | | | | | |
| 90.000 | .0293 | 0108 | | | | | | | | | | | | | |
| 108.000 | . 0249 | .020 | | | | | | | | | | | | | |
| 126.000 | .0107 | | | | | | | | | | | | | | |
| 144.000 | 0.00. | • | | | | | | | | | | | | | |
| 180.030 | 0116 | 0093 | | | | | | | | | | | | | |
| 199.000 | 0123 | • | | | | | | | | | | | | | |
| 216.000 | 0030 | .0062 | | | | | | | | | | | | | |
| 234.000 | .010 | | | | | | | | | | | | | | |
| 252.000 | 67.0 | | | | | | | | | | | | | | |
| 270.000 | .0293 | • | | | | | | | | | | | | | |
| 288.000 | \$100. | | | | | | | | | | | | | | |
| 306.000 | .0073 | | | | | | | | | | | | | | |
| 324.000 | 1000 | | | | | | | | | | | | | | |
| 342.000 | 9 | | | | | | | | | | | | | | |
| 360.000 | .0614 | .092 | | | | | | | | | | | | | |
| MACH (7) | • | 2.990 A | ALPHA (6) - | | 5.000 0 | • | 5.1894 | PTA | •
% | 30.018 | ě | . 4.1186 | 3 8 | • | ж. |
| | | 311 | | | UEDENDE | OFPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| SECTION (1) EXTENDIAL LAWS | INEXIE | TARK TARK | | | | | | | | | | , | | 1 | |
| X/LT | . O757 | . 1350 | .2203 | .2347 | .2707 | .3139 | 3499 | .3816 | .4378 | .5055 | .5732 | .6408 | 2867. | .7762 | Ť |
| Ē | | | | | | | į | ê | | 1900 | 0640 | . 0.227 | 0119 | 9 38 | |
| 000 | 3030 | • | ٠ | 0063 | 0100. | /910. | 2000 | 7 20 | 1867 | 1 120 | 0520 | .0193 | - 0201 | \$ 5° | • |
| 18.000 | .2983 | 野さ い | 0220 | 5.9 | | 9999 | פרקים
פרקים | 10 to | 9.6 | .0295 | 0590 | -, 0299 | 0280 | 0149 | ٠ |
| 36.000 | BE IS | • | | | , D | -,0007 | .0163 | | .007 | 0261 | 0718 | 0250 | .0090 | .0097 | • |
| | 3713 | • | | | 0142 | 0127 | ¥. | | 1.770 | 0801 | 0514 | 0143 | 9910. | . 0222 | • |
| 90.000 | .4033 | - | | | 01¥ | 6 6 | .6581 | 2151. | | 1000 | F. 0.59* | 5000 | 605 | \$ 60.00
\$ 60.0 | |
| 108.000 | 69 13. | | | | 0153 | .0237 | 25.5 | 2C51. | 6.00 | 9000 | 1920 | 0123 | .005 | .0111 | |
| 126.000 | . 195 | | | | £ 10. | รมเก | , k | 0.50 | 10.00
10.00 | .0.55 | .0312 | .0163 | 0000 | .0010 | ٠ |
| 144.000 | 7355 | . 253 | 100 | 2010 | | 900 | .0030 | 020 | 9578 | .0533 | .04% | .0256 | 0310. | 1.00 | • |
| 162.000 | | | | | -,0007 | 0011 | 0000 | .0000 | .0513 | .0826 | .0606 | .0357 | .0103 | 00:9 | • |
| 180.000 | | • | | • | 0040 | 0036 | .0030 | . 0209 | .0578 | .0533 | ₹. | .0256 | 6010 | | • |
| 200.000 | 7556 | | ' | | 0108 | 0056 | ₹2.
7. | 0110 | . C≥¥5 | .0155 | .0312 | .0163 | 0000 | 0100. | • |
| 234.000 | 1967 | | | | ₹10:- | .0123 | .372 | .0369 | . 1048 | 0006 | 0261 | 0123 | . 600.
I 200. | 11:0. | |
| 000 25 | 6944 | | | | 0153 | .0237 | . 32.3 | 569: · | 2025 | 0511 | 0373 | C+00 | 1933 | | |
| 270.000 | .4033 | • | | | 013¢ | .198⁴ | .6591 | . 1513 | | 086¥ | 0394 | | 6 | | |
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■ .B2971

ALPHA (6) = 5.000

MACH (7) . 2.990

(RB2T01)

| SECTION (1)EXTERNAL | DEXTERN | AL TANK | | | DEPENDEN | DEPENDENT VARIABLE | are co | | | | | | | | |
|--|--|---|--------------------------------------|--------------------------------------|---------------------------------|---------------------------------------|---|----------------------------------|-------------------------|---------------------------------------|--|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------|
| X/LT | .0757 | . 1550 | .2203 | .2 3 47 | .2707 | 3139 | . 3498 | .3816 | .4378 | .5055 | .5732 | 6 0±9. | .7085 | .7762 | . 9439 |
| 71.1
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.0193 | .0090
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| 360.000
MACH (7) | .1377 | 0659 | A.PM (7) | • | B. 000 0 | • | 5. 1894 | AT4 | 8 | 30.018 | æ | • * .1186 | 88
8 | • | .82971 |
| SECTION (| SECTION (1)EXTERNAL | AL TANK | .2203 | .2347 | DEPENDEN | DEPENDENT VARIABLE .: 2707 .: | 9LE CP
.3499 | .3916 | .4378 | . 5055 | .5732 | ₩9. | .7085 | . 1762 | .8439 |
| | 25.5
745.
1.45.
1.89.
1.89. | .0188
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0009
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0247 | .1099
.1009
.0054 | .0020
0053
0326
0729
0744 | .0533
.0203
0606
0737
0733 | .0002
0034
0378
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0394 | 0337
0337
0255
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0107 |

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(RB2T01)

1.

TABILATED SOURCE DATA, MSFC THT 567 (1A32F)

MSFC 56711A32F1) T9 53/2 53/2 03 EXTERNAL TANK

9.000

ALPHA (7) -

MACH (7) . 2.990

| - | SECTION (1)EXTERNAL TANK | IL TANK | | | DEPENDENT VARIABLE CP | r vartab | 9
8 | | | | | | | | | |
|--|---------------------------|------------------------------|----------------|----------------|-----------------------|-----------------|--|-----------------|----------|---------------|-------------------------|-------|---------------------|-------------------------|----------------------------|--|
| | . CECO. | 920: | .2203 | .E347 | ene. | 3139 | 3686. | 3816 | .4378 | .5035 | .5732 | 9049 | .7085 | 387. | 87. 6 . | |
| PHI
108.000
126.000 | 85 F. S. | 1351
1351 | | 0230
0046 | 9*10
0600 | 9.22
4.20. | .1099 | . 0591
1959: | 19461 | 0342
.0479 | 9010.
9010.
8080. | .0304 | .0319
.0375 | .0371
.0358
.0389 | . 0356
. 0330
. 0263 | |
| 162.000 | .637
873 | 2356 | .0397 | 0.00 | 925 | . 86 g | | .0457
7850 | .0923 | .0834
51 | 9160 | 7150. | 2.50 | . 629.
1893. | .0263 | |
| 190.000
198.000 | .63.7
.63.7 | 23.5
80.5
13.5
13.5 | .0397 | 0265 | .0255 | . 55 S | 5. 55. 58. 58. 58. 58. 58. 58. 58. 58. 5 | 75.9 | .0963 | #80. | .0718 | 0517 | 50.0 | .0283 | .0263 | |
| 234.000 | .6102
194 | .1733 | .0263
.0043 | .0151
0046 | .012.
0050 | .015.
10. | 0850.
1099 | . 0591
10591 | +ccn. | .0479 | .0102 | .0304 | .0375 | .0326 | .0330 | |
| 252.000 | .+638 | | | 0230 | 0148 | .0422 | .3270 | .2420 | .0660 | 0342 | 5010. | .0278 | - 10319
- FOSD - | 10371 | .0356 | |
| 270.000 | .3967 | | 0322 | 0339 | 0120 | 1825.
- 0109 | 2039 | 1931 | 0676 | 1.07 | 0733 | 0394 | 0092 | 0062 | 0107 | |
| 306.000 | . 293! | | | 0147 | | ₹600 | | | | 0729 | 0737 | 9460 | 0125 | 0:37 | 00%3 | |
| 000 | .26v7 | | 0147 | 0158
5.0158 | 0147 | 9500. | 1900- | 84.20
41.50 | 1029 | USce
0053 | Ueuo
. 0203 | 0094 | 0337 | 0360 | .0483 | |
| 342.000
360.000 | . 23.8
87.23. | | | 00%2 | | .0061 | .0058 | | | .0020 | . 0533 | .0002 | 0337 | 0486 | 0046 | |
| 900 | | | | | | | | | <u> </u> | | | | | | | |
| | 9116. | .9835 | | | | | | | | | | | | | | |
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| 000 | 1320 | 0562 | | | | | | | | | | | | | | |
| 18.000 | 82 E | 0035 | | | | | | | | | | | | | | |
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200 | .0276 | .0761 | | | | | | | | | | | | | | |
| 72.000 | .0395 | .0597 | | | | | | | | | | | | | | |
| 90.00 | -A0. | .0226 | | • | | | | | | | | | | | | |
| 108.000
136.000 | . 0308 | . 0572
5720 | | | | | | | | | | | | | | |
| 000 | .0237 | 9530 | | | | | | | | | | | | | | |
| 162.000 | . 0248 | . 62-18 | | | | | | | | | | | | | | |
| 180.000 | . 0263 | . 0263 | | | | | | | | | | | | | | |
| 198.000 | .024B | 9.
9. | | | | | | | | | | | | | | |
| 216.000 | .0237 | ,
S | | | | | | | | | | | | | | |
| 24.000
25.000 | 0309 | 93.50 | | | | | | | | | | | | | | |
| 270.000 | -A0- | .0226 | | | | | | | | | | | | | | |
| 288.300 | .0395 | .0597 | | | | | | | | | | | | | | |
| 305.000 | | .0761 | | | | | | | | | | | | | | |
| 324.000 | | . 0653 | | | | | | | | | | | | | | |
| 342.000
300 | 92. E | 0035 | | | | | | | | | | | | | | |
| 2 | _ | 2000 | | | | | | | | | | | | | | |

 $f_{\tilde{I}}^{1} \rightarrow$

DATE OS SEP 75

| | | | | MSFC | MSFC 567(1A32F) 19 53/2 53/2 03 | 2F) T9 S | 3/2 53/2 | | EXTERNAL TANK | TANK | | (101284) | = | | |
|-----------------------|-----------|-------------------------|------------------|---------------------------------------|---------------------------------|--------------------|------------------|-------|---------------|------------------|--------|----------|----------|--------|-----------------|
| TACH C B) | 3.500 | | ALPHA (1) | • | -8.000 9 | • | 5.7173 | PTA | - 50.016 | | •
ਵ | 5.3300 | PSA | • | .67500 |
| SECTION (1) EXTERNAL | 1) EXTERN | IL TANK | | | DEPENDEN | DEPENDENT VARIABLE | LE CP | | | | | | | | |
| XVLT | 1500. | 1336 | .2203 | .23v7 | .2707 | .3139 | 96.
66. | 3016 | .4378 | .5055 | .5732 | 6408 | .7085 | .7762 | .8439 |
| Ē | | | | | CONC | CKR. | Ę | 2503 | | .02 9 | .0535 | .1367 | 1481 | 1100 | 1096 |
| 00 3 | ##. | K | 7690. | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 0.49 | 75.50 | 9
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8 | .2328 | .5017 | *100 . | .0413 | 0111 | 9611. | 1106 | 1961 |
| 18.000 | 1613. | אני.
מיני | 5440 | 0379 | 03-6 | .0335 | .0643 | .2098 | €02. | 1911 | .0301 | 1770. | . 16/51. | 0/80. | 10,00 |
| 99. 48.
100. 48. | 755 | <u>6</u> | 1620 | .0213 | .0200 | .0399 | . 1039 | .1056 | 2970 | .2152
9555 | 1658 | 1080. | .0328 | .0426 | .070 |
| 72.000 | ₩9 | 5741. | .010S | 1+00. | .0037 | 0440 | 7967 | 6.5 | . 1 500 | . 0280 | .0599 | | | 0303 | 0067 |
| 90.000 | 305 | .1086 | 0097 | 0138 | 0023 | .2077 | 1675 | 10.7 | 0625 | 0486 | 0760 | | - | 0412 | 0341 |
| 108.000 | 3+00 | .0785 | 0236 | 02590 | 1710.1 | -,0280 | 0219 | .0122 | 0496 | 0645 | 0736 | | 0517 | 0361 | 0222 |
| 126.000 | 3165 | 120 | 1.034. | 1,0300 | 0317 | 0266 | 0131 | 0378 | 0330 | 0520 | 0537 | 0540 | | 0408 | UCBD |
| 144.000 | ği k | . 0273 | 0449 | 0426 | 032) | 0273 | 0267 | 0270 | 0267 | 0155 | 0266 | 0337 | 0697 | 0337 | 0341 |
| 180.000 | 2365 | 7520 | 059 | 0429 | 0330 | 0280 | 0303 | 0192 | 0006 | BC10. | . 0266 | 0337 | | 0344 | 0327 |
| 198.000 | ž | .0273 | 6440 | 0426 | 0324 | 0273 | 0267 | 07.50 | 0507 | 0550 | 0537 | 0540 | | 0408 | 0286 |
| 215.000 | .2622 | .0355 | 0408 | 0422 | 0317 | 0256 | 1510 | 9,50 | 9640 | 0645 | 0736 | -, 0659 | | 0361 | 0222 |
| 234.000 | .2916 | 25 | 0347 | 0368 | Octo | | 1675 | 1027 | 0625 | 0486 | 0760 | -,0686 | 0540 | 0412 | 0341 |
| 252.000 | .¥00 | .0785 | 0236 | 0280 | 1/10 | 2000. | 7186 | 1515. | | 0280 | .0599 | .0091 | 0307 | 0303 | 0057 |
| 270.000 | 305. | 980 | 7600 | BS10 | 20053 | 0440 | 2967 | .2676 | .1303 | .0555 | . 1668 | .0954 | .0328 | 0426 | \$ 10.
6 10. |
| 289.000 | .¥638 | 1472 | 2010. | 1100. | . בפני | 0399 | 1039 | .1056 | .2970 | .2162 | .0606 | .0863 | .0785 | .0529 | 56CJ. |
| 305.000 | .5227 | £ 66 | 1020. | 0479 | 5250 | .0335 | .0643 | 5098 | ₹605. | 1181 | .0301 | 1770. | 1279 | 57 AD. | ρ
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| 324.000 | 5223 | 2022 | 2 440 | 200 | 04.70 | .0457 | .0436 | .2328 | .5017 | 100 . | .0413 | 0111 | 8611. | 95. | 96. |
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| 108.000 | 038 | 0435 | | | | | | | | | | | | | |
| 126.000 | 0023 | 0138 | | | | | | | | | | | | | |
| 144.000 | 0205 | 6012 | | | | | | | | | | | | | |
| 162.000 | 0¥1 | 0195 | | | | | | | | | | | | | |
| 180.000 | 1980. | 0310 | | | | | | | | | | | | | |
| 136.000 | 1000 - | 4160 | | | | | | | | | | | | | |
| 24 000 | 0023 | 0138 | | | | | | | | | | | | | |
| 252.000 | 0192 | 0435 | | | | | | | | | | | | | |
| 270.000 | .0186 | 0256 | | | | | | | | | | | | | |
| 286.000 | .0778 | .0531 | | | | | | | | | | | | | |
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| 324.000 | .0543 | . 1040 | | | | | | | | | | | | | |

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(RB2T01)

EXTERNAL TANK MSFC 567(1A32F) T9 53/2 53/2 02 **9**.000 ALTHA C II . MACH (8) . 3.500 DATE: 05 9EP 78

DEPENDENT VARIABLE CP

SECTION (1) EXTERNAL TANK .0178 -.0394 .9116 . 13%2 13%2

- 50.016 7 5.7173 -5.000 A.PH. (2) . 3.500 MCH - 99 3v2.000 360.000

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DEPENDENT VARIABLE CP SECTION I DEXTERNAL TANK

-.0635 -.0229 -.0286 -.0215 -.0215 -.0229 -.0235 .1702 .1733. 7.81. 1181. 7.72. 10.03. 2.82. 1113. 1.05. 1 .0261 .0162 .0075 .0075 ..0016 ..0073 ..0350 ..0357 ..0350 ..0350 ..0350 7850. 70550. 100

18,000 35,000 772,000 108,000 1186,000

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-.0632 -.0063 .0842 .1238 .0294 -.0203 -.0104 .0118 .0342 .0501 .0528 .0531 .0531 .0000 . 000 35.000 37.000 72.000 90.000 108.000 175.000

ORTHINE QUALTRY

MSFC 56711A32F1 T9 53/2 53/2 03

DEPENDENT VARIABLE CP -5.000 ALPHA (2) -SECTION 1 DEXTERNAL TANK MACH 189 .

.9836 9116.

- 0195 - 0290 - 0110 - 0067 - 0110 - 0110 - 0290 - 0200 - .0342 .0497 .0883 180.000 190.000 216.000 216.000 234.000 282.000 282.000 384.000 380.000

ş 5.3300 덛 50.016 PTA DEPENDENT VARIABLE CP -2.000 ALPHA (3) . 3.500 HACH (B)

SECTION (1) EXTERNAL TANK

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(RB2T01)

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TABLATED SOUNCE DATA, HSFC TNT 867 (1A33F)

EXTERMAL TANK MSFC 967(1A32F) 19 53/2 53/2 03

- 5.3300 **8**5. -.0321 -.0%12 -.0351 -.0073 -.0300 5732 8 . 0162 -. 038 . 0912 . 0794 -. 0192 - 50.016 £378 - 0389 - 0399 - 0206 - 0077 - 0077 - 0206 - 0399 - 0389 . 1281 . 1281 . 1278 - . 0077 ž 308. 7770. 7500. 7501. 7501. 7500. 7500. 7500. 7500. 7500. 7500. 7500. 7500. 7500. . W.00 • 5.7173 DEPENDENT VARIABLE OF DEPENDENT VARIABLE CP 3130 0420. 0110. 16 בסנש. 8 99.4 9000 - - 00000 - - 0000 - - 0000 - - 0000 - - 0000 - - 0000 - - 0000 - - 00000 - - 0000 - - 0000 - - 0000 - - 0000 - - 0000 - - 0000 - - 00000 - - 0000 - - 0000 - - 0000 - - 0000 - - 0000 - - 0000 - - 00000 - - 0000 - -7469. -.0162 ALPHA (%) . ALPIN (3) --.0145 -.0175 -.0219 -.0229 -. 0223 -. 0229 2203 -.0213 SECTION 1 DEXTERNAL TANK Ë - 0232 3.50 3.50 SECTION (1) STIEBBAL 0757 9116 .020 .020 .031 .0318 .0173 .0074 .0094 - 54 - HOW 215.98.200 215.98.200 234.000 270.000 270.000 270.000 270.000 270.000 270.000 270.000 25.5.000 90.000 108.000 126.000 144.000 .900 18.000 36.000 X/LT

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| DATE: 05 SEP 75 | ž, | | | TABULA | TED SOUP | CE DATA, | TABILATED SOUPCE DATA, MSFC THT 567 (1A32F) | 11) 295 1 | A32F) | | | | | PAGE | æ |
|-----------------|----------------------------|--------------|------------|--------|------------------------------|-----------------------|---|-----------|----------|---|---------|--|--------|----------|------------------|
| | | | | MSFC | MSFC 567(1A32F) T9 53/2 53/2 | 2F) T9 S. | 3/2 53/2 | 89 | EXTERNAL | TANK | | (RB2101) | â | | |
| - (8) - HOW | 3.500 | | ALPHA (4) | • | 999 | | | | | | | | | | |
| SECTION (| SECTION (1) EXTERNAL TANK | TANK | | | DEPENDEN | DEPENDENT VARIABLE CP | 45 31
1 | | | | | | | | |
| X/LY | . 1270. | <u>8</u> | .2203 | .2347 | . 2707 | .3139 | 3499 | 3816 | .4378 | 5055 | .5732 | 80% | .7085 | .7762 | 8 |
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| 306.906 | 2 2 | 1065 | 1600 | 0060 | .0003 | .0131 | .0652 | 103 | | 5160. | 0050 | 0073 | 1,000 | 9500 | 0111 |
| 342.000 | | . 1025 | 0033 | 0006 | .0075 | .0149 | 9090. | | | 0036 | .0051 | 0.40 | 9990. | 5 | 00000.
- 0131 |
| 360.000 | | .1032 | 5110. | .0159 | .0213 | . D740 | . 00+3 | .0727 | 9.9990 | <u>5</u> | CO. | 9,00 | . 636 | | ; |
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| 216.000 | | .0003 | | | | | | | | | | | | | |
| 234.000 | | 9520 | | | | | | | | | | | | | |
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| 360.000 | | 0814 | | | | | | | | | | | | | |
| MACH (8) | 3.500 | | ALPHA (5) | | 2.000 0 | • | 5.7173 | PTA | •
• | 50.016 | · | 5.3300 | Z. | • | .67500 |
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| SECTION 1 | SECTION (1)EXTERNAL TANK | 1 | | | UE TE MUEN | | | | | | | | | | |
| X/LT | 7570. | . 1550 | .2203 | .2347 | .2707 | .3139 | 3498 | 3816 | .4379 | 5055 | 5732 | 8049 | .7085 | .7762 | 8 |
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TABULATED SOURCE DATA, MSFC THT 567 (1A32F)

| | | | | HSF(| E 96711A3 | MSFC 967111A32F) 19 53/2 53/2 03 | 3/2 53/2 | | EXTERNAL | TANK | | (RB2T01) | ŝ | |
|------------------|---------------------------|---------|------------|--------|---------------|----------------------------------|--------------|---------|----------------|-----------|----------------|-------------------|------------------|------------|
| a
5 | 3.500 | | ALPHA (5) | • | 2.000 | | | | | | | | | |
| ECT1ON 1 | ECTION (1) EXTERNAL TANK | 124K | | | DEPFADEA | DEPFNDENT VARIABLE CP | LE CP | | | | | | | |
| 5 | . 1200. | . 1950 | .2203 | .2347 | <i>1013</i> . | .3139 | 86
86 | .3816 | .4378 | . 5055 | .5732 | 67 69 | .70 85 | 30. |
| ¥ 3 | | 8 | £500 | 1,014 | 0000 | 9810. | .2867 | . 1695 | 0067 | 9429 | 0364 | 0053 | 0067 | 000 |
| | | 8 | 0070 | 0131 | 0073 | .0095 | . 03¥9 | .0061 | <u>.</u> | 0141 | 0317 | 0175 | *200. | *100. |
| 900 | | 1340 | 0019 | 0097 | 0097 | 0100. | .031 | . 0369 | 007 | .0047 | 0410. | . 0042
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2 | 00100 | 0067 | - 0060 | 0083 | 0067 | / Suc. | 040 | 9110 | .0216 | .0.55 | .0050 | 007v |
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34.000 | ž ř | 1265 | 0070 | 0131 | 0073 | .0095 | . 0349 | .0061 | .0741 | 0141 | 0317 | 0175 | . 0024
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| 22.000 | | 96 = | 0097 | 1410 | 0000 | 9610. | . 2267 | . 1691. | 0067 | | 0520 | -,0070 | 0159 | 0023 |
| 000.076 | | 109 | 0127 | | .000 | | | 5 | CE CU - | B0+0 | -, 0,39 | 0043 | 0036 | .9175 |
| 98.030 | | 1001 | 0131 | - 0600 | 1800. | C510. | 2 | 0.00 | 1 | 6 | 0245 | 0395 | .0037 | 8600° |
| 1000.301 | | ##60 | ¥2. | 0090 | CB S | 0120 | 5.6 | 5430 | 75.3 | 7580 | - 0138 | 0100 | 0053 | +1:0:1 |
| 32.000 | | 0903 | 5 | 0050 | 89 00. | Ç. | | 50.0 | 3 6 | - 0073 | 0000 | 6529 | £620. | 0335 |
| 342.000 | | 6480 | 0053 | 0012 | .0122 | . 60
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|-------------|----------------------|---------------|-----------------|---------|---|------------|----------|--------------|---------------|------------|----------|------------|---------------|----------|--|
| | ! | | | Ē | HSFC 567(1A32F) 19 53/2 53/2 03 | 2F.) T9 S | 3/2 53/2 | | EXTERNAL TANK | TANK | | (RB2TD) | 2 | | |
| MACH (8) • | 3.900 | | ALPHA (B) | | 5.000 a | • | 5.7173 | PTA | Š | 50.016 | . | 5.3300 | \$ | • | 0.€75.0 |
| 9 NO 1 2 25 | SECTION (1)EXTERMAL | L TANK | | | DEPENDENT VARIABLE CP | T VARIAB | FE 09 | | | | | | | | |
| XVLT | reco. | <u>.</u> | .2203 | 7.85. | 1912. | 3139 | %. | 3006. | .4378 | .5055 | .5732 | 9 . | .70 85 | 3 | & |
| Ī | | | | | | | į | ě | | 27.10 | 2830 | 82.53 | . 6510 | 0152 | 0374 |
| 000 | | .8 | 00:0. | .0193 | .0230 | 9 | E 6 | 5.5 | 1631 | 0,0070 | 0315 | 82.5 | . B900 | 0202 | 05.0 |
| 19.000 | | .0562 | ₩. | 609. | | . S | ë ë | 200 | 5 | 0399 | - 040 | 0134 | . 2910 | 0114 | 015B |
| 36.000 | | 9860 | 0029 | .003 | | | 600 | 2 4 | 5 | 01.9 | 0250 | 02-6 | ₹00. | 5110. | 0100. |
| 000 | | Ē | 0127 | - 0005 | | B . | 5 | 1 | 1950 - | 0445 | 0395 | 0266 | .0105 | .0213 | .0068 |
| 72.000 | | .0863 | 0178 | 0073 | | 500. | 200 | | | 948 | 0053 | 0073 | £00. | .0234 | 1115 |
| 90.00 | | .1030 | 0:41 | 0168 | | 2/4/6 | C 6 | פנית
פנית | 0335 | 1450 | 0172 | .0937 | .0067 | 6.
6. | . D. B5 |
| 108.000 | | 1299 | 0056 | -036 | • | Ç Ş | X 25. | , K | 1106 | 0186 | 0097 | 0016 | -0139 | . e139 | 8 2.6. |
| 126.000 | | . 1 <u>49</u> | *************** | 0019 | | 9010. | E 100. | F 480 | 6750 | 98:0 | .0311 | .0305 | .0173 | . D139 | 1
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| 162.000 | 57.40. | 1 96 | .0217 | . O. S. | | , K | 960 | 0112 | .0386 | . 0822 | .0679 | .0±15 | . 0233 | 8 | 800B. |
| 180.000 | | 286 | £ . | 50. | | 2 4 | 65 | .0237 | .0558 | .0531 | .0469 | .0341 | . 0233 | .0111 | |
| 198.000 | | <u>.</u> | .0217 | . S | | | 0633 | 0643 | .0349 | .0186 | .0311 | .0305 | .0173 | 2.
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| 282.000 | | 867 | 0026 | 56. | | , C | | 2013 | | 6840 - | 0053 | 0073 | .005 | .623 | VI 15. |
| 270.000 | | . 1059 | 1410 | 0168 | | 9/4/ | 900 | 3.5 | -,0381 | 0445 | 0395 | 0266 | .0105 | .02:3 | 89 02. |
| 299.000 | | .0863 | 0178 | 0073 | | | 5100 | 300 | 3450 | 0134 | 0540 | 0245 | . 03P | 5116 | 7.
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| 3.42.000 | | .9562 | .003 | ACDO. | | 9 6 | | 6,0 | 9.9990 | .0173 | ₽ | .0538 | 63:0. | 3152 | 337 |

5110. 5010. 2010. .0381 .0381 .0388 .0388 .0388 .0388 .0388 .0388 .0388 .0388 .0388 .0388 .0388 .0388 .0388 .0388 1000. 7000. 10 05590 11702 11702 11702 11851 11702 11702 11702 11702 11702 11703 25.000 27.000 27.000 20.0000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.0000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.0000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.0000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.0000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.0000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.000 20.00000 20.00000 20.0000 20.0000 20.0000 20.0000 20.0000 20.0000 20.00000 2

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TABLATED SOUNCE DATA, HEFC THE SET (TABET)

EXTERBUL TANK

MSFC 56711A32F1 T9 53/2 53/2 03

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DATE: 88 - 100

DEPENDENT VARIABLE CP 5.00 5.00 MAN C B 3.500 SECTION (1) EXTERNAL ST TOTAL

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(1) EXTERNAL

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75. 2889. 05.70. 820.

9010. 1000. 9610 - 96 9110. - 0003. - 0013. - 0013. - 0013. - 0013. - 0013. - 0013. - 0013. - 0013.

6250 10370 103

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. 1235 . 1235 . 1673 . 10470 . 10673 . 1235

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.0358 .0820 .0565 .1374 9.9990

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888 7 .0968 .0378 .0379 .0379 .0278 .0278 .0278 0836 0136 0136 000-7 000-7 0281 0369 0369 # # # P 8 8 19 1

OF THE PLANT

HERZTO!

MSFC 56711A32F1 T9 53/2 53/2 03 EXTERNAL TANK .000 A.M. (7) -MACH (8) . 3.508

DEPENDENT VARIABLE CP SECTION I DEXTENSAL TOOK

.9116 X/LT

4500. 4500. 4500. 4500. 4500. 4500. 4500. 4500. 4500. PH 1162.000 1190.000 1190.000 2235.000 2235.000 2235.000 2235.000 2235.000 3255.000 356.000 35

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E | | | TABLE | TABILATED SOUNCE DATA, HISTO TAT 567 | ICE ONTA | HISTC TO | | (JESY)) | | | | | PAGE | = |
|-------------------------------|--|---|---|------------------|--------------------------------------|--|---|------------------|---------------|---------|--------------------------|----------------------|------------------------------|--------|-------------------------|
| | | | | P | NSFC 567(1A36F) TB 53/2 53/2 03 | (SE) 79 | 33/2 S3/i | | EXTERNAL TANK | TAM | | (RBETOZ) | - | 2. A98 | ~
Z |
| | 5 | REFERENCE DAT | 4 | | | | | | | | _ | PARAMETRIC DATA | IC DATA | | |
| SAECT SACET | 6.1880 SQ.
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5.3130 IV. | 6.1880 SO. IN.
5.3130 IN.
5.3130 IN.
.0040 SCALE | 20 de | | 2.5486 IN. | | | | | ₹ 8 ¥ | ALPHA • DELTAZ • X-578 • | 0.0.
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0.00 | CONF 16
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OFB INC | | 90.090
.000.
.500 |
| MACH (1) | • | _ | ETA (1) | • | -10.000 0 | • | 4.3481 | ATA | 8 | 22.007 | <u>.</u> | . 4.9643 | 8 | • | 17.73 |
| SECT ION | SECTION (1)EXTERNAL TANK | NAL TENK | | | OCPENDE | DEPENDENT VARIABLE CP | 3. | | | | | | | | |
| X/LT | . e757 | . 1550 | .2203 | .23v7 | .2707 | .3139 | . 498 | .3816 | .4378 | .5055 | .5732 | 90*99 | .7085 | .7762 | 6.49 . |
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| 000 | .0550 | 2966 | 2466 | 1861 | • | .0673 | . 1147 | 5780 | | 2913 | 0756 | 0421 | 0308 | £ 60 | 8700.
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| 72.000 | | 644B | 0282 | 9.6 | • • | 1210 | 1977 | 1011 | 0888 | .0499 | .0317 | .0493 | 6,790 | 9060. | 98. |
| 90.000 | EL#. | 0440 | 0900 | . 1098 | | .2119 | 1328 | 1.23.1 | | .0403 | .007 | 2610. | .026 | . UCOR | ¥.0. |
| 108.000 | .35.71 | 0695 | 0695 | .0332 | ₹80. | 0080 | 3604
2004 | - 2592
- 2592 | 2047 | 0220 | .0016 | .0130 | 0110. | . new | 6020. |
| 126.000 | 929 | - 1948
1948 | - 195 | 0776 | 0353 | 1120 | 7.555 | 509: - | 2001 | , S | 050 | 0.580 | 1.03.4 | | 36. |
| | 767. | 8912. | | - 2325 | - 1392 | 1427 | . 1091 | 1533 | 1392 | 1172 | - 107 | 0942 | | 0916 | 0916 |
| 180.000 | 0095 | 3545 | 3148 | 2389 | • | 1331 | 1384 | 1463 | 1401 | 125! | 1128 | 1048 | | 0987 | 1190 |
| 198.000 | 0714 | 3689 | 3151 | 2972 | | 0965 | 1506 | - 114 | 1216 | 1162 | 1010 | 0849 | 0992 | 0750 | - 0589 |
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- 65 | 0786 | 0965 | 1019 | 0903 | 0705 | 1020 | CC*0 | 0440 | 1000 I |
| 234.063 | . 1473 | - 3653 | 2723 | 0285 | 7440. | | 1, 00 to | 1000 | 2801. | 0220 | 9.6 | 0130 | 0130 | 0200 | 6020 |
| | 5 2 | 1 5 P | 200 | 9101 | 2369 | 20.00 | 0928 | 2018 | | - 0499 | 0717 | 0475 | 0214 | 6200 | .0297 |
| 288.000 | 666 | 3445 | 1783 | 01.00 | 1757 | . 1685 | 1469 | 1514 | P | 1201 | 1212 | 069₺ | 0257 | . 00±0 | .0343 |
| 306.000 | - 148 | - 3505 | - 255 | 0033 | .076¥ | .0755 | 0329 | 0975 | 159 | 1540 | 1850 | 1400 | 0411 | 0050 | 1610. |
| 324.000 | 1165 | 3491 | PI# | 0968 | .0127 | .0325 | 0231 | 1013 | 2791 | 3168 | 2685 | 1016 | | 0114 | 3 io. |
| 342.000 | 9625 | 3326 | . 25° | 1657 | 9.00 | .0325 | 1010 | 00- | 6969 | 6313 | 1733 | - 3555 | 0286 | 7650. | 0133 |
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378.000 | 0000 | - 1808 | 8 | <u>.</u> | 9600 ·- | 5 | È | C/BO. | . 0632 | C 163.5 | 3 | | | | |
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| 90.000 | 7670 | - 1080 | | | | | | | | | | | | | |
| 109.000 | .0358 | 0422 | | | | | | | | | | | | | |
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| 144.000 | 0624 | 1836 | | | | | | | | | | | | | |
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9150. 1790. 19 .7762 Š .0139 .0507 .0699 .0635 .0525 .0189 .0186 .0380 .7085 -.0421 -.0311 .0074 -.0269 -.0311 -.029+ -.0097 -.0139 (RB2102) 4.9943 - .0389 - .0683 - .0686 - .0448 - .0352 - .0352 -.0678 -.1492 -.1133 -.0448 6408 -.0055 .0292 .0419 .0452 .0338 .0110 .0055 -.2219 .5732 . 0650 . 0134 . 00137 . 0137 . 0029 . 0026 . 0027 . - .0441 - .0466 - .0771 - .0929 - .0920 - .0593 - .0592 - .0572 - .0572 -.3108 -.1130 -.0335 .0039 .0303 -.2512 .5055 EXTERNAL TANK 22.007 -.1113 -.1107 -.0991 -.0958 -.1113 2.2011 2.423 2.5010 9.9990 .4378 ..0012 -.0002 -.1087 -.2282 -.1183 -.1095 .3816 -.1419 -.1253 -.1185 -.0991 -.1003 -.1293 -.2070 -.2229 -.1555 -.0897 -.0741 Δ .1848 .1848 .1005 .0039 -.1183 -.2747 MSFC 56711A32F) T9 53/2 53/2 03 -.1082 -.1555 -.0258 .0028 .0538 3499 . 1527 . 1708 . 0952 - 0073 - 2032 - 1355 - 3869 -.1498 -.0884 -.1124 -.1226 -.0769 -.1023 ■ £.¥B1 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .3139 . 1020 . 1036 . 1036 . 1221 . 1221 . 1220 . 1043 . 1043 . 1050 . 1050 . 1050 . 1020 T075. -8.000 (1) - -10.000 -.1314 -.1331 -.0913 -.0126 .0670 .2347 .0181 -.1760 -.2563 -.2736 -.2115 -.0295 .0260 .0650 -.0777 -.1314 BETA (2) .2203 -.2587 -.1523 -.1566 -.1966 -.2246 -.2074 -.2678 -.2215 -.1951 -.1543 -.1061 -. 044B -.0194 -.0941 -.1708 -.2010 -.3045 -.2906 -.2969 SECTION (1) EXTERNAL TANK SECTION I DEXTERNAL TANK . 1550 -.1140 -.0877 -.0919 -.1133 -.1577 -.2285 -.0968 +1*175.-*-.2222 -.3343 -. 3522 -.3415 -.3281 -.3085 -.3085 -.2714 -. 1208 - 359 .9836 -.0906 -. 3033 -.3451 -.017 - 1481 999 3 -.0336 -.0250 -.0250 .0356 .0670 .0295 .0295 .0295 .0295 .1707 .91 IE .0757 .1359 .1359 .3015 .3015 .2015 .2757 .2332 .1625 .0899 - .0311 - .0751 - .1801 - .1324 - .1324 - .0969 - .0669 - .0669 - C - HOW MCH C D 18.000 35.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.00000 10.00000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.00000 1 PH1 215.000 23v.000 252.000 270.000 305.000 37v.000 360.000 360.000 13

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PARLATED SOURCE DATA, HETC THE SET (1A38F)

DATE DE SEP 75

EXTERMAL TANK HEFC SET(1A3EF) TO \$3/2 \$3/2 03

RECTOR

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DEPENDENT VARIABLE CP

-.1577 -.0778 -.1636 -.0501 -.1672 -.1672 -.1870 -.1408 - E -.0501 -.0987 -.0204 -.0991 -.1555 -.3103 . S118. SECTION 1 DESTENDA . 1510 . 0980 . 0463 . 0010 . 0767 . 0870 -.0516 -.0376 -.0579 -.0529 -.1107 -.0529 -.0180 -.0520 72,000 108,000 1108,0 K/L1

22.007 7 8 1 BETA (3) -E - HOW

DEPENDENT VARIABLE CP SECTION (1) EXTERNAL .162 7085 **9** .6732 5000 4378 3816 88.A. 3139 erer. .eg. .2203 .135 7570 X

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.0691 .0691 .073* .0539 .0325 .0100 9420. 9420. 10 -.0015 -.0042 -.0105 -.01058 -.0284 -.0178 -.0178 -.0178 -.0177 .020 .0180 .0137 - .0361 - .0365 - .0408 - .0426 - .0402 - .0338 - .0338 -.1510 -.0239 -.0167 -.0167 -.0275 -.0275 -.5115 -.0920 -.0527 -.0176 -.0169 ..0491 ..0571 ..0588 ..0587 ..0587 ..0543 ..0607 -.1315 -.0509 -.0664 -.1497 -.2509 -.1146 -.0823 -.0768 -.0720 -.0720 -.0800 -.1113 . 1790 . 1703 . 0767 . 0409 . 1425 . 1566 . 1666 . 1066 . 1067 . 0721 . 0897 . 1067 . 1067 -.1792 -.0658 -.0658 -.0777 -.1318 -.2998 -.1271 .181. .0050. .0300. .2009. .1460. .7756. . 1438 . 1309 . 0368 . 0368 . 1606 . 1606 . 0658 . 0658 . 0658 . 0659 . 0550 . 0550 . 0550 . 0550 .0657 .2443 .1490 . 180. . 180. . 190. . 1976. . 1976. . 1976. . 1977. . 1977. . 1977. . 1977. . 1977. . 1977. . 1977. . 1977. . 1977. . 1977. . 1977. . 1977. . 1977. . 1977. . 1977. -.1369 -.1369 -.1116 -.0718 .0667 -.1750 -.101. - 2139 - 2363 - 2256 - 1971 - 1971 - 1083 - 1083 - 1083 - 1083 -. 1453 -. 0931 -. 0447 25.5. -.1614 -.1630 -.1736 -.2357 -.2357 -.2645 -.3026 -.3026 -.3026 -.3026 -.2969 . 1813 . 1833 . 1339 . 0360 . 0361 . 0361 . 0603 . 0369 . 0369 . 0369 . 0369 . 0369 16.000 36.000 37.000 72.000 90.000 1108.000 1144.000 1162.000 1180.000 236.000 230.000

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(RBET02) EXTERNAL TANK MSFC 567(1A32F) 19 83/2 53/2 03 DATE: 05 SEP 75

.0319 .0274 .0303 .0347 .0347 .0123 .8439 .01*77* .0392 .0658 9.39 17.33 .010. 1900. 1400. 5410. 5010. 2010. 1900. .7762 -.0107 .0249 .0566 .7762 ğ -.00:1 -.00:1 -.0282 . 7085 -.0287 -.0475 -.0110 -.0757 -.0152 .0378 .7085 4.9943 -.0262 -.0270 -.0:98 -.1335 -.1147 -.0387 -.0145 .6408 6408 -. 1785 -. 1194 -. 0177 -.3272 -.1546 -.0504 -.0548 -.0430 -.0369 .5732 -.1648 -.3398 -.1510 .5732 롡 -.6639 -.1889 -.0900 -.0467 -.0492 -.0492 -.0610 .5055 -, 1522 -, 3986 -, 5115 5055 22.007 -. 1219 -. 0935 -. 1864 -.2588 .4378 -.2937 -.1797 -.4467 9.9990 -.1315 .4378 .1228 .1228 .0339 -, 1587 -, 2691 -, 2481 PTA .3816 -.1516 -.0089 .0587 3816 . 2154 . 1619 . 0729 . . 2024 . . 1400 . . 3268 . . 1543 95 ¥. 4.3481 .0470 .1148 .1981 DEPENDENT VARIABLE CP 8点 DEPENDENT VARIABLE CP .3139 . 1576 . 1317 . 0951 . 0763 . 1320 . 2231 . 0364 3139 . 1941. 1737. .e707 .0740 .0695 .0695 .0887 .1915 .1959 .090 .0427 .0427 .0618 2002 000 900.1 -.0513 -.0750 -.0750 -.0201 .0795 .0132 C#55. -.0650 -.0711 -.0893 7453. . . BETA (4) -. 1689 -. 1563 -. 1366 -. 0751 -. 1407 BETA (3) . 2203 -.1491 - 1949 . 2203 -.2291 -.2389 -.2445 -.2520 SECTION I DEXTERNAL TANK -.2247 -.2245 1550 -.2353 -.0400 -.1311 -.1172 -.0356 -.2705 -.2367 -. 2063 -. 1021 .0217 -. 0973 -. 04:00 -.1335 -. 1343 - 085. .1550 - 132 -.9853 **3838** 9 ş SECTION (1) EXTERNAL .1149 .1024 .0977 .0982 .0735 .0848 .0357 .0357 .0357 .0106 .0453 .0757 -.0160 -.0310 -.0311 -.028* 7.10.-929 .186 9449 . 0239 . 0245 1030 . 1031 -.0311 reso. MACH C 13 .000 35.000 54.000 72.000 90.000 90.000 CO HOW 18.000
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(RB2102)

HSFC 96711A32F) T9 53/2 53/2 03 EXTERNAL TANK

| SCHOOL DEALERS | | | | | | | | | | | | | | | |
|----------------|---------|----------|--------|----------|--------|-------|---------|--------|--------|----------|---|---------|-------|--------|------------|
| x/LT .6 | 750 | 98 | . 2203 | .2347 | .2707 | 3138 | 348 | 3816 | .4378 | .5055 | .5732 | 96.5 | .7085 | . TJ62 | 9 . |
| Ē | | | | ; | | | | \$ | | 5 | 9060 | 1 | ٤ | 600 | -, DD28 |
| _ | | . 25.33 | 228 | <u>.</u> | - 000 | | 200 | | | | 2000 | | | | - 0073 |
| 162.000 | . 6590 |
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5 | 1702 | 0440·- | 25. | 0010 | 0037 | 100. | 2 5 | 0000 | 9 | | | 600 |
| | | <i>e</i> | 2466 | 2287 | Q. 6 | . 2. | 9960 | - 0593 | eg. | 9650. | | | 0000 | | 27,00 |
| | | 2722 | 2317 | 1702 | 0770 | 0440 | 0610 | 0537 | | 515 | 1930'- | | | | |
| 216.000 .0 | . 080. | 2673 | 2295 | <u>.</u> | 0262 | 0±06 | 9820 | 0928 | 0775 | - G467 |
 | 5 | 1500. | 1000 | |
| | | 252 | 1982 | 0817 | .0203 | 0316 | 1543 | 1516 | 1131 | P. 04.04 | 0303 | 1,10 | 7910 | 100. | 1000 |
| | | 2445 | 1407 | 52 | .0982 | .036 | - 3268 | . 7.68 | - C268 | 0610 | | C*10 | 005 | 0.00 | 23.0 |
| 270.000 | | 2389 | 0751 | .0557 | . 1955 | .2231 | 1400 | - 269 | | 9×92 | 0430 | 019B | 001 | 5 5 | ביינים |
| | | 229 | 1366 | .0795 | . 1515 | 1320 | 202- | 1597 | | 0467 | P. C. | בינים | | 9 6 | 7020 |
| _ | | 2245 | 1563 | 0201 | .0987 | .0763 | 0209 | 0537 | 0935 | 9690 | ֓֞֝֞֝֓֞֜֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֡֓֓֓֓֡֓֓֡֓֡֓֡֓֡֓ | . מפנים | 2,00. | 2 6 | 2010 |
| | _ | 2247 | - 1689 | 0750 | .0683 | 1982 | .0729 | .0339 | 1219 | . 0900 | 10/0: | , DCD | | 9 | |
| • | | - 232 | 1713 | 25.07.5 | . 0695 | .1317 | . 1619 | . 1228 | 2937 | | | | 5 | | 2 20 |
| • | . 64. | 2353 | 1.149 | 0513 | 0750 | .1576 | ٠.
چ | 5015. | 9.9990 | -,003 | , X | | 050 | 9 | 9 |
| 379.000 | | | | | | | | | 2937 | | | | | | |
| X/LT .9 | 9116 | .9836 | | | | | | | | | | | | | |
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| 36.0000 | | 1987 | | | | | | | | | | | | | |
| | £ | - 1169 | | | | | | | | | | | | | |
| _ | | 0171 | | | | | | | | | | | | | |
| _ | | 0993 | | | | | | | | | | | | | |
| _ | | - 0360 | | | | | | | | | | | | | |
| _ | | 0935 | | | | | | | | | | | | | |
| _ | | - 38 | | | | | | | | | | | | | |
| _ | | - 128 | | | | | | | | | | | | | |
| _ | | 1363 | | | | | | | | | | | | | |
| | | - 1796 | | | | | | | | | | | | | |
| _ | | - 198 | | | | | | | | | | | | | |
| _ | | 0939 | | | | | | | | | | | | | |
| _ | | 0360 | | | | | | | | | | | | | |
| | | 0993 | | | | | | | | | | | | | |
| 286.000 | | 0171 | | | | | | | | | | | | | |
| | | 1169 | | | | | | | | | | | | | |
| | _ | 1987 | | | | | | | | | | | | | |
| 342.000 | - 600 | 2050 | | | | | | | | | | | | | |
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| | | | | MSFC | : 567 (1A3 | EF (75) | MSFC 56711A32F) T9 53/2 53/2 03 | | EXTERNAL TANK | TANK | | (RB2T02) | 102) | | |
|-----------|----------------------|------------|-----------|---------------|-----------------------|-------------------|---------------------------------|--------|---------------|--------|--------|-------------|----------|-----------------------|--|
| MACH (1) | | . 600
8 | BETA (5) | • | \$.000 Q | • | 4.3481 | ATA | <u>ر</u>
• | 22.007 | ج
• | . 4.9943 | 3 PSA | • | 17.251 |
| SECT10N | SECTION (I)EXTERNAL | MAL TANK | •• | | DEPENDENT VARIABLE CP | IT VARIA | BLE CP | | | | | | | | |
| X/LT | . O757 | . 1550 | .2203 | F. 2347 | .2707 | .3139 | 3499 | .3016 | .437B | .5055 | .5732 | . 6¥08 | .7085 | .7762 | 8 . |
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| 000 | .0837 | 2512 | 1879 | 1603 | .0632 | . 1398 | 1977 | .1816 | : | 926 | 1578 | 0187 | 9359 | 5
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| 18.000 | . O+45 | 2705 | 1779 | 0711 | .0±27 | -
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- | 8 <u>4</u> | .0587 | 4467 | 3986 | 3398 | 5 | ۲.0
ا | | |
| 36.000 | .0239 | 2705 | 1949 | 0650 | .0568 | .0853 | 647 | - 0089 | 1797 | 1522 | 1648 | 1755 | 0757 | 0107 | 110. |
| 60.
3. | 0009 | 2015 | 1933 | 0035 | ₹ 580 . | .0819 | 0249 | 9695 | 1211 | 1033 | 089 | 0740 | - 0588 | 87.5
87.5 | 1 S |
| 72.000 | 0036 | 2817 | 1733 | •060 . | . 1615 | .1490 | 1866 | 1564 | 1902 | 0792 | 087¥ | . 0499
1 | 01E7 | . 0026 | 36 |
| 000.000 | - 0329 | . 2950 | - 1688 | . 1083 | .2105 | 243 | 1271 | 247c | | 060⁴ | 0597 | 0329 | ₹.0°. | .0026 | 64ZO. |
| ממט פטו | 0205 | - 2989 | - 1691 | 7710. | .1137 | .0657 | 2998 | 2313 | 2669 | 05+3 | 0410 | 0169 | | 0027 | .0115 |
| 126.000 | 0089 | 3064 | 2298 | 0517 | . 9320 | 1.000 | 1318 | 1407 | 1113 | 0543 | 0338 | 0178 | | 0143 | 0036 |
| 144,000 | .0131 | 3088 | . X | 1971 | 0205 | .029 | 7.70 | 0897 | 0800 | 0587 | 0+02 | 0232 | | 0187 | - 0039 |
| 162.000 | .0351 | 3026 | 2627 | 2450 | 0507 | 0472 | 0750 | 0729 | 0720 | 0587 | 0426 | 0259 | | 0222 | 0160 |
| 180.000 | 6890 | 2858 | 2365 | 1.2441 | 0543 | 0614 | 0720 | 0738 | 0702 | 0551 | 0456 | 0305 | | | ₽
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| 198.000 | 0960 | 2650 | 24.73 | 2139 | 0625 | 0625 | 0658 | 6840 | 0768 | 0589 | 0408 | 0221 | | 0:3! | - 213: |
| 216.000 | .1339 | 2357 | 2213 | 1792 | 0437 | 0643 | 1020 | 1056 | 0823 | 0571 | 0365 | 0204 | _ | 0105 | 005! |
| 234.000 | . 1633 | 2007 | ₹£1 | 1012 | C034 | 0626 | 1792 | 1666 | 1146 | .0491 | 0311 | 0105 | 0051 | 0100. | 81 :3· |
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EXTERNAL TANK HSFC 36711A3EF) T9 \$3/2 83/2 03

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TABLEATED SOURCE DATA, HSFC THT 567

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| | . 30 i 6. | - 6963
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| BLE CP | 86.K. | 0367
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| DEPENDENT VARIABLE CP | 3130 | |
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| SECTION (1) EXTERNAL TA | X/LT | 108.000
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| MACH (3) | 1.050 | _ | DETA (1) | 10.000 | o
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L | | è | | | | | |
| SECTION (| (1)Exterm | M. TANK | | | DEPENDEN | DEPENDENT VARIABLE CP | רנ כם | | | | | | | | |
| XO.T | 7570. | 926 | .2203 | .2347 | .2707 | .3139 | 3499 | .3816 | .4378 | .5055 | .5732 | 80 . 50 | .7085 | .7762 | . 8439 |
| Ē | Ç | | . u630 | 1082 | 200 | 3146 | £080±. | .3750 | | 6323 | 6570 | 2685 | | 0240 | 1790. |
| | | | | 2 | 1767 | 2042 | gre. | *10 * . | .3569 | 2057 | 3008 | -,3749 | 9200. | 25. | 70.5 |
| 900 9E | | 2050 | S | \$ | .20th | .2360 | .2351 | .2153 | 940.
840. | .0117 | 0821 | 9622 | 565 | 9000 | 2015. |
| | 25.0 | 6 | 667 | 9680 | 2562 | .2622 | .1142 | 2074 | | .0788 | 1,00. | C | 10/0. | 1045 | 2 6 |
| 25.00 | 5769 | 1/90 | 1678 | .1892 | .3700 | .3869 | | 5160 | -
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- | 8601. | .0279 | 1080. | C 100 | <u> </u> | 1543 |
| 000.06 | 5675 | 900. | 1760 | .2637 | .4367 | .5143 | | 6465 | 8 | | | - 0100 | | 0888 | 1605 |
| 108.000 | 557 | .0601 | -, 1833 | . 1848 | . 32
4 | 3219 | | 6945 | | 20.0 | 000 | 66.5 | 0035 | .0581 | = |
| 126.000 | .5033 | .0130 | 3364 | 5440. | 1808 | . 1606 | 0227 | 5644 | 1/04 | Coro | ביים
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פרים | - 0631 | - 0526 | .0167 | .0829 |
| 144.000 | <u>165</u> 3. | 059 | 3914 | 2743 | .0718 | . 08% | 2,0.1 | 900 i | 05.1. | 1630. | 2001 | 0.236 | | .0195 | 61.50 |
| 152.000 | 34.26 | 1302 | 4644 | 3886 | .0469 | .0644 | 5460· | יים מני | 2764 | 1280 | 62 | 9280 | | 0369 | .0.0. |
| 180.000 | . 2573 | 2065 | 5210 | 451 | .0858 | .079* | 2 6 | 20/0- | 1000 | 7.750 | 07.45 | 1096 | | .018 | 9170. |
| 199.000 | 198 | 2519 | 3672 | 3686 | 0190 | . 1502 | ucac | 1,00. | 1020 | 1581 | - 0387 | 0437 | 0304 | 0554 | .:048 |
| 216.000 | .1442 | 29£ | 3580 | 2248 | 8
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8 | . 1835 | B61 : | פונים. | 1000 | 1000 | 200 | 0 | 0181 | .0543 | <u>*</u> |
| 234.000 | 1001 | 3197 | 317 | 1760 | . 090s | . 223 | . 1163 | 16/17 | - CUC1 | 0421 | 21.0 | - 0.85 | 0011 | 0868 | . 1605 |
| 252.000 | . 08% | 3309 | 2975 | 1205 | ž
Ž | 3750 | CBS : | 2410 | F/05. | SAGE . | 1823 | - 1813 | 0753 | 040 | . 1423 |
| €70.000 | .0683 | 3410 | 175
175 | 0460 | . 2759 | 1 i | 6644 | 5954 | 9 | 0000 | 2017 | 3 | 0058 | 6960 | . 1642 |
| 000 880 | . 1902 | 3349 | 137 | . 1892 | . 1885 | 500-1. | .2612 | - ing 3+ | - 150 | | | | 0.159 | OZES | 1645 |
| 06.00 | 1038 | 3175 | 1836 | 0483 | .1746 | .3108 | 87₹3 | 1911 | 0534 | 340B | , | 1 1 1 | 90.00 | 9 00 | 4000 |
| 20.000
24.000 | 1380 | 2888 | 1500 | 0630 | .1275 | .2873 | .2813 | .1710 | 2480
 | 5636 | ָבְּילְנָתְ
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| 35. Jag | 4293 | .2239 | | | | | | | | | | | | | |
| 94.000 | .4215 | .3190 | | | | | | | | | | | | | |
| 72.000 | .4280 | .4460 | | | | | | | | | | | | | |
| 90.000 | .2337 | . 1332 | | | | | | | | | | | | | |
| 108.000 | .2261 | <u> </u> | | | | | | | | | | | | | |
| 126.000 | . : 9 ±3 | .0933 | | | | | | | | | | | | | |
| 144.000 | 5.1072 | ₹ 600. | | | | | | | | | | | | | |
| 162.000 | .0552 | 0345 | | | | | | | | | | | | | |
| 180.000 | .0362 | 0512 | | | | | | | | | | | | | |
| 198.000 | .0829 | 0058 | | | | | | | | | | | | | |
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86 | .0358 | | | | | | | | | | | | | |
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| 270.000 | .2561 | .0250 | | | | | | | | | | | | | |
| 289.003 | . 1930 | . 0920 | | | | | | | | | | | | | |
| 305.000 | . 1832 | . 0386 | | | | | | | | | | | | | |
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| | | | | HST | HSFC 567(1A32F) T9 53/2 53/2 03 | F) 19 S | 3/2 53/2 | | EXTERNAL TANK | TANK | | (RBC102) | ĝ | |
|----------------------------|--------------|------------------|-------------|-------------------|---------------------------------|----------|--------------|----------|-------------------|---------------|----------------|----------|----------------|--------------------|
| HACH (3) | • | 1.050 | BETA (1) - | -10.000 | 000 | | | | | | | | • | |
| SECTION 1 1) EXTERNAL | DEXTER | NAL TANK | | | DEPENDENT VARIABLE CP | r variab | 6
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342.000
360.000 | .3313 | 3130 | | | | | | | | | | | | |
| MACH (3) | | 1.050 8 | BETA (2) | • | -8.000 Q | • | B. 4447 | PTA | | 22.007 | 쿈 | 6.8571 | S | • |
| SECTION (1) EXTERNAL TANK | DEXTER | NAL TANK | | | DEPENDENT VARIABLE CP | r VARIAB | LE CP | | | | | | | |
| X/LT | 7570. | . 1550 | .220% | .2347 | .2707 | .3139 | 3±99 | .3816 | .4378 | .5055 | .5732 | 9075 | .7085 | .7762 |
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| 000 | 612 | 1735 | | 2 5
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| 19.000 | 16/5. | 8.65 | 3691 | 1311 | .2533 | .2763 | 3753. | .2019 | .2065 | 0167 | 1068 | - 2651 | .0481 | 5835
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| 000.£ | £893. | 0095 | 2983 | - 0.0
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23. | .1693 |
| 72.000 | 1925 | .0187 | 2225 | 1141. | 384 | 5237 | .4723 | 6197 | | * | 0926 | 0811 | .0141 | 5111. |
| 90.000 | | 50 E | . 285. | .0751 | 3408 | .3329 | . 1206 | 7476 | 1643 | 0112 | 0024 | 0259 | 0088 | 96.0. |
| 126.000 | 1174. | 0181 | 3721 | .0038 | .2118 | . 1925 | .0038 | 4203 | 1315 | 004
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| 144.000 | 新子 | 0787 | 4225 | P.51 | 24E1. | . 1651. | 0075 | 6115 | - 267 | 0835 | 9160 | 0461 | | .0057 |
| 162.000 | 8 | - 1350 | 4526 | 386 | 1026 | .1237 | .0585 | 0364 | 2362 | 1365 | 0793 | 0540 | | 0051 |
| 190.000 | יי
פאר פ | 200 | 928 | 3787 | .0307 | .1856 | .0172 | .0133 | 2145 | 1758 | 0392 | 0442 | | 0392 |
| 215.000 | . 1883 | 2608 | 3832 | -,2269 | .0795 | .2248 | .1430 | 0150 | - 1986 | 1712 | .0191 | 0273 | - 0455 | 680. |
| 234.000 | . 1542 | 2862 | 3315 | 1883 | .1153 | .2613 | 1368 | 1839 | - 1973 | 6112 | CDP | . 0259 | 0088 | 3670. |
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| 270.000 | EC . | 0905 | 1538 | | . 2264 | 2024 | 8 60. | 1910 | 1053 | 1520 | 1976 | 1733 | 0253 | ₩960° |
| 305.000 | | | 1976 | 0680 | . 2049 | 3+55 | 97. | . 0826 | 0469 | - 30g. | 1928 | 1539 | 0157 | 5050. |
| 324.000 | .1769 | | 1905 | 0336 | . 1626 | 8 E | 2938 | # 6
6 | 7935 - | 1000. | 7505 | 361. | 0460 | .0703 |
| 342.000 | . 2223 | 2332 | 9163. | 1521 | . 1394
2219 | 3453 | 5475. | .389 | 9.9990 | 5218 | 6068 | 1781 | 0884 | . 0509 |
| 378.000 | Ž. | | | | | | | | 3019 | | | | | |
| X/LT | 9116 | .9836 | | | | | | | | | | | | |
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ORIGINAL PACE TO

EXTERNAL TANK

(RB2102)

DATE OS SEP 75

-8.000 BETA (2) . .. 80. MCH (3) =

DEPENDENT VARIABLE CP

SECTION (1) EXTERNAL TANK .9836 9116 X/LT

.230 .0516 .0551 .1392 .0532 .4750 .7503 .7503 .7503 .7503 .7503 -. 0020 -. 0134 2009 1307 1307 1307 1307 1309 1309 1309 13189 13189 180.000 190.000 216.000 216.000 225.000 2270.000 286.000 387.000 387.000 386.000 Š 6.857 22.007 7 90. 1 BETA (3) -.. 86. MACH (3)

DEPENDENT VARIABLE CP SECTION (1) EXTERNAL TANK

.7080 . 1040 .5732 5055 .¥378 3916 3498 3139 .e.00 .23.7 . 2203 . 1550 .0757

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28.5. 2.5.5. 2.5.5. 2.5.5. 2.5.5. 2.5.5. 2.5.5. 2.5.5. 2.5.5. 2.5.5. 2.5.5. 3.5. 3.5. 3.5. 3.5. 3.5. 3.5. 3.5. 3.5

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EXTERNAL TANK MSFC 567(11AZEF) T9 53/2 53/2 03

DEPENDENT VARIABLE CP 98. 1 8 SECTION (1) EXTERNAL TANK . 85 MACH (3) =

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DATA, HSFC THT 567 (1A32F)

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-.1813 **8**55. -. 1994 -. 2111 -. 1823 -. 0428 -. 0428 -. 0735 -. 1209 37.72 0. K -. 1756 -. 1266 -. 0787 -. 0291 -. 16*9 -. 09889 .0788 .0117 .2057 -.6!36 -.6582 -.5636 -.3*08 -. 1229 -. 168! -. 1855 . 505. -.1649 22.007 .198 .25% .3569 .9990 .4378 -.2144 -.2333 -..963 -.1136 -.1704 EXTERNAL -. 0634 -. 1406 -.3574 -.2021 -.1937 -.4727 -.2480 . 1161 - . 0034 - . +389 -.5142 3016 .1710 ₽ Z MSFC 567(1A32F) TB 53/2 53/2 03 . 3214. . 3210 . 3210 . 2813 . 5135. . 5135. . 1983 . 1163 . 1190 . - 0262 . 0170 . - 0269 . 156 . 156 . 166 . 176 . 186 . 1 86.A. - 0.4447 VARIABLE CP DEPENDENT VANTABLE 3075 -2949 -2724 -3108 -31 .3139 DEPENDENT 2001. 2003. 2011. 2011. 2011. 2012. 2010. .ene. BETA (7) = 10.000 -, 1461 -, 1461 -, 0630 -, 0633 -, 0633 -, 0633 -, 1760 -, 176 5462. 1663. 1693. 1693. 1154. 1154. 745 BETA (6) . -.330v -.330v -.1833 -.1978 -.1978 2173.-2828.-2150.-2150.-2174.-2175.-2176.-2176.-2176.-2176.-.2203 -. X53 . 3130 . 3130 . 0386 . 0380 . 0520 . 051 . 051 . 050 -.2519 -.1893 -.1302 -.0594 06.00 .0601. .0770. .1780. .0303. .001.-SECTION I DEXTERNAL TANK 1.941 2.033 2.18. 2.18. 3.19. 3.19. 3.19. 7.81. 7.81. 7.81. . 135 £. .9836 - . 2985 - . 2985 . 8 - 88. - 88. SECTION (1) EXTERNAL .0757 2003. 1758. 2789. 2878. 285. 2877. 2877. . 1723 . 1723 . 1832 . 1930 . 1930 . 2033 . 1357 9116 # 188 1831 MACH (3) -MACH (3) .000 36.000 37.000 72.000 90.000 1108.000 18.000
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DATE OF SEP 75

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3762 2017 1717 1717 1717 ð -.3173 -.2022 -.0552 -.0559 -.0163 -.0163 -.0598 - 11114 - 1996 -.7085 IR82102 6.9757 - 3562 - 1331 - 1538 - 10107 - 10162 - 10163 - 10163 - 10163 4101... 428... 6000... **6.40** -.3%67 -.1090 .0805 .1539 .1677 -.185v 5732 돈 -.0931 -.0799 -.0552 -.0982 -. 4934 -. 3057 -. 0910 . 0731 . 1383 -.2.50 5055 -. 188 -.0931 22.005 -.2949 -.3755 -.2188 -.1019 -.0720 -. 1734 . 1056 - 1256 - .4378 .3973 .3003 .1190 -. 36+1 49694. 49694. 49694. 49696. .3816 PTA 8544. 85414. 86155. 86156. 86156. 8616. 86 8 8 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP 3139 6661. 6730. 6730. 6730. 6700. 67 7.151.0.0694.
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0.0591. .e2007 -.2804 -.0087 -.0396 -.0329 -.2089 -10.000 10.000 7.63. -.2323 -.2626 -.1612 -.1553 -.1702 -.3+35 -.26.73 -. 2.59 きた所・ -.3.16 -.3.65 - 3/155 -.639 - 1612 ETA 1 1 1 5 -.2563 -.3060 -.3516 -.3836 -.4113 -.3981 .2203 . 3468 . 2936 . 2936 . 1806 . 1678 . 1878 . 1878 -.3752 -.2844 -.2582 -.3621 -.0934 -.0342 -.0342 .0933 .0933 -.1332 -.1332 ..1332 ..1332 SECTION (1) EXTERNAL TANK . 1160 . 0519 . . 0784 SECTION I DEXTERNAL TANK 550 .0781 .1273 .1565 .1711 .1581 -.2014 -.1977 -. 1870 -.3038 88 .. 95 ž. 653.7 653.7 653.7 653.7 653.7 653.7 653.7 653.7 653.8 653.7 653.8 9116 65.00 55 .0757 1914 1572 1573 1736 1870 1870 2239 2819 MACH : 33 MACH - * 162.000 198.000 198.000 270.000 270.000 270.000 270.000 378...00 360.000 18.000 35.000 100.000 100.000 1100.000 X/LT

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TABLLATED SOUNCE DATA, PSFC THE SST CLASSED

EXTERM HEFC 567(1A38F) TH 53/2 53/2 03

111 - -10.000

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DEPENDENT VARIABLE CP SECTION : 1) EXTERNAL TANK 2810.-200.-. 1350 1350 1812 1818 **8** 9534. 1775. 1981. 1980. 19 18.900 36.000 37.000 37.000 198.000 198.000 270.000 270.000 270.000 270.000 270.000 270.000 270.000 270.000 270.000 270.000 270.000 270.000

. 530 7.01. <u>5</u> 6.8757 8.5 .5732 1989. - 1980. - 19818 5055 22.005 . 2302 . 2302 - . 0795 - 2600 - 3:20 - 1714 - 0749 - 0501 - 0501 - 0343 ES. 1818. 1805. 1805. 1806. 1806. 1806. 1806. 1806. 1806. 1806. 1806. 1806. 1806. 1806. 1806. 1806. 1806. 1806. 1806. 1806. 1806. . W. 8 8 9.2803 3138 25:11. 135:2. 135:2. 135:2. 135:2. 135:1. 135:1. 135:1. 135:1. 135:1. 135:1. DEPENDENT - 2436 - 2436 - 1814 - 0556 - 0556 - 1567 - 1867 - 2455 - 2557 - 1568 - 2567 - 2567 - 2567 - 2567 - 2567 - 2567 - 2567 - 2567 - 2567 - 2567 - 2567 - 2567 - 2567 - 2567 - 2567 - 2567 - 2567 - 2667 enes. . 1995 . 1995 . 1995 . 2018 . 3287 . 3287 . 3737 . 3478 . 3478 -. 3236 -. 2837 -. 2197 -. 2197 7.63. BETA (2; 0.000 - .0000 .2203 SECTION (1) EXTERNAL TANK 9540.-9000. 9750. 9750. 9751. 9711. 9711. 9711. 9711. 9711. 9711. 9711. 9711. 9711. 9711. 9711. 9711. . 1350 . 2 7579 TACH C % 18.000 18.000 17.000 190.000 126.000 144.000 156.000 190.000 216.000 226.000

OF FOOR OUNTER

(RB2TD2)

MSC 567(1A32F) 19 53/2 53/2 03 EXTERNAL TANK

MACH (%) = 1.250 PTIA (2) = -8.00b

DATE '05 SEP 75

| 2. 27.2 - 39.4 - 30.5 - 39.5 - 30.5 - | SECTION (1) EXTERNAL TAN | DEXTERN | 7AWK | | | DEPENDENT VARIABLE CP | T VARIABL | 8 | | | | | | | | |
|--|--|----------------------|------------------------------|------------------------------|------|------------------------------|---------------------------------------|----------|------------|--------|---------------------------------------|--------|-------------|--------------------------------------|------------------------------|---------------------------------------|
| 000 | KALT | . m.37 | į. | . 2203 | Les. | . 2707 | .3139 | 86 A. | 38.6 | .4378 | 60 | .57% | 8 6. | .70 83 | 3877. | 8 |
| 1116 1983 1128 1128 1129 | PH1
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5. | | | | | | | | | | | | | |
| 000 1182 1182 | 72.000
000.000 | | 1718 | | | | | | | | | | | | | |
| 000 1124 1324 000 -0.0240 0.178 000 -0.0240 1.073 000 0.233 1.1224 000 0.233 1.0224 000 0.233 1.0224 000 0.234 1.0234 000 1.234 1.0234 000 1.247 1.2504 000 1.247 1.2504 000 1.247 1.2504 000 0.2439 0.2222 000 0.4439 0.0223 2347 2707 3139 3.849 3.816 4378 5.055 5732 6408 7085 7762 1.024 000 0.4439 0.0223 2347 2707 3139 3.849 3.931 3302 1.050 1.027 1.023 | 108.003 | 1889 | . 1723 | | | | | | | | | | | | | |
| 0000433 .0082 0000172 .0089 0000433 .0082 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1989 .1723 000 .1980 .1989 | 126.000 | & : . | .132 | | | | | | | | | | | | | |
| 000 -0.013 0.0082 000 -0.013 0.0082 000 -0.013 0.0082 000 -0.013 0.073 000 -0.013 0.073 000 -0.013 0.073 000 -0.013 0.0082 000 -0.013 -0.012 000 -0.013 0.0082 000 -0.013 -0.012 000 -0.013 0.0082 000 -0.016 -0.012 0.012 000 -0.016 -0.012 -0.012 -0.0083 0. | 144.000 | .037 8 | | | | | | | | | | | | | | |
| 000 | 162.030 | - 02500 | . 0082 | | | | | | | | | | | | | |
| 000 | 198.000 | 3172 | 88 | | | | | | | | | | | | | |
| 000 1889 1723 000 2333 1824 000 2373 1825 000 2373 1857 000 2373 1857 000 24451 -2722 000 34461 -2722 000 44461 -2722 000 4422 -0116 -2973 -2895 -2895 -2815 4018 1474 5055 186 -3865 -1866 -2895 1752 1895 000 4822 -0116 -2973 -2895 -2895 -2895 1891 1892 1893 1893 1893 1893 1893 1893 1893 1893 | 215.000 | .0210 | .0773 | | | | | | | | | | | | | |
| 000 1889 1723 000 1892 1972 000 1974077 000 1975077 000 1975077 000 1975278 | 234.030 | .0553 | ₹2. | | | | | | | | | | | | | |
| 000 1973 10902 000 19740842 000 19752814 000 19762722 000 1977289128922972297328922973289229732892297229 | 252.000 | 68
-: | . 1723 | | | | | | | | | | | | | |
| 000 1974 - 1084 1140 1150 1140 1150 1140 1150 1140 1150 1140 1150 1140 1150 1140 1150 | 270.000 | 2363 | 5050. | | | | | | | | | | | | | |
| 000 1974 - 1.000 0 - 9.2903 PTA - 22.005 R ₁ - 6.8757 PSA - 8.5 (4) - 1.250 BETA (13) - 4.000 0 - 9.2903 PTA - 22.005 R ₂ - 6.8757 PSA - 8.5 (4) - 1.250 BETA (13) - 4.000 0 - 9.2903 PTA - 22.005 R ₂ - 6.8757 PSA - 8.5 (4) - 1.250 BETA (13) - 4.000 0 - 9.2903 PTA - 22.005 R ₂ - 6.8757 PSA - 8.5 (4) - 1.250 BETA (13) - 4.000 0 - 9.2903 PTA - 22.005 R ₂ - 6.8757 PSA - 8.5 (4) - 1.250 BETA (13) - 4.000 0 - 9.2903 PTA - 22.005 PTA | 288.000 | 5103 | | | | | | | | | | | | | | |
| 000 | 300.000 | <u> </u> | 57.8 | | | | | | | | | | | | | |
| 100 .49612722 | X | 7 | 2 | | | | | | | | | | | | | |
| (4) = 1.290 BETA (3) = -4.000 Q = 9.2903 PTA = 22.005 RL = 6.8757 PSA = 8.5 PTA = 1.290 RL = 6.8757 PSA = 8.5 PTA = 22.005 RL = 6.8757 PSA = 8.5 PTA = 1.290 PTA = 22.005 PT | 360.000 | 1944 | 2722 | | | | | | | | | | | | | |
| 10N I 11EXTERNAL TANK O757 . 1950 . 2203 . 2347 . 2707 . 3139 . 33.39 . 3818 . 4378 . 5055 . 5732 . 6508 . 7085 . 7752 . 6757 . 1950 . 2203 . 2247 . 2707 . 3139 . 33.39 . 3818 . 4378 . 5055 . 5732 . 6508 . 7085 . 7752 . 6508 . 74586 . 71565 . 74586 . 71665 . 74586 . 71665 . 71665 . 71665 . 71767 . 6211 . 9529 . 5939 . 7000 . 4722 . 0116 . 2973 . 2896 . 2018 . 2978 . 3931 . 3302 . 1605 . 2248 . 7177 . 224 . 7177 . 2265 . 7177 . 2265 . 7177 . 224 . 7177 . 2265 . 2266 | | | | - | | | | 9.2903 | AT4 | | .005 | | | | • | 536 |
| 10757 1550 2803 2804 3139 3839 3816 44376 5055 5732 6806 7085 7757 5050 7085 7752 6806 7085 7752 6806 7085 7752 6806 7085 7752 7753 7753 7752 7753 7753 7753 775 | SECT108-1 | 1)EXTER | NAL TANK | u. | | DEPENDE | NT VARIA | PLE CP | | | | | | | | |
| 1430930722993216540852648 | X/LT | .0757 | . 1550 | | | | .3139 | 3,39 | .3818 | . 437B | . 5055 | 57.E. | 6,08 | SBOT. | £. | £ |
| . 430902693072 - 29932415 .2105 .4005 .50863465170402110-292499 .2499 .2499 .2499 .2499 .2499 .2499 .2499 .2499 .2499 .2499 .2499 .2499 .2490 .269626732490 .25722030 .2531 .3302 .1605249 .25722391 .2696 .2991 .2696 .2991 .2696 .2991 .2696 .2991 .2696 .2991 .2696 .2972 .2341 .2696 .2991 .2699 .29970204 .2019 .2991 . | ĩ | | | | | ! | | 9 | d | | 4 | 2091 - | | | 62 60 - | <u>8</u> |
| 44220116297328962728 .2011 .4.143 .2003 .2003 .2004 .2013 .2004 .2013 .2004 .2013 .2004 .2013 .2004 .2013 .2004 .2013 .2013 .2013 .2013 .2013 .2013 .2013 .2013 .2013 .2013 .2013 .2013 .2014 .201 | 000 | £308 | 0269 | | | | 5015. | CBO C | | 9036 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 176 | | | 66-27 | .203! |
| . 4740 . 016728012722203025393931330210432721331533153315331533153315331533153315331533153315331733170317031703170317331 | 18.000 | 4452 | 0116 | | | | 2011 | | נייני. | | 1 6 10 | 1997 | | | 8 | **** |
| . 4922 . 0321 - 2698 - 2565 - 1443 . 2038 . 3079 - 4397 - 0204 . 0195 . 0506 - 0555 - 030 - 0344 . 5138 . 0437 - 2646 - 2565 . 1241 . 4288 . 3079 - 4397 - 0204 . 0195 . 0506 . 0255 . 0204 . 0195 . 0205 . 0 | 36.000 | 0474. | .0167 | | 2722 | | 8. C. | 1886. | 2000 | 7 0 | י קרנה
י קרנה | | | | 7 | 8 |
| .5138 .083726462553 .1241 .4688 .5073 .5055 .5553 .5553 .5553 .5553 .5553 .5553 .5553 | 54.000 | .¥922 | .0321 | | | | 850X | מי לעי | 00:0: | • | | E 1 | 20 | | *** | 80 |
| | 72,000 | 8. E. | 53 | | | | ייייייייייייייייייייייייייייייייייייי | 7.75 | | | X | | | :\ | | 1 |
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(RB2102)

TABLEATED SOUNCE DATA, MSFC THE 967 (1A3EF)

EXTERNAL TANK

MSFC 967(1A32F) T9 53/2 53/2 03

| | 1 | 8
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. 0033
. 0039
. 039
. 039 |
|-------------|-----------------------|------------|--|
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| | | 286 | 0050
1166
.3054
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.0115
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0050
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0050
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1062
1062
1258 |
| | | 9 | 0032
0123
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0115
0032
0183
0504
0504 |
| | | .57.12 | 0169
0291
0776
0938
1044
0571
0404
0741
1100
1503
1503 |
| | | .5055 | 0670
0203
0612
1130
1542
1562
1463
0570
1463
14269
4269 |
| | | .4378 | 2372
2145
0763
0100
0300
0829
1871
0942
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0420
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0420 |
| | | .3816 | 5158
1878
0947
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0949
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3530 |
| | VARIABLE CP | €64£. | |
| | NT VARIA | .3139 | . 1877
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. 0719
. 0519
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. 4036
. 6055
. 4735
. 2237
. 1764 |
| 000.4 | CEPENDENT | .enen | . 1336
 |
| | | .2347 | - 2610
- 2762
- 2933
- 2933
- 3160
- 3314
- 3359
- 3359
- 2505
- 2986
- 3157
- 3157 |
| BETA (3) | | .2203 | - 2772.
- 2763.
- 2878.
- 3029.
- 3172.
- 3223.
- 3485.
- 3487.
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| 1.250 B | MAL TANK | . 1950 | . 0878
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| MACH (%) . | SECTION (1) EXTERNAL | X/LT | PHI
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180.000
190.000
234.000
272.000
272.000
273.000
273.000
378.000
378.000 |

.9835

7.305.7 2.063 2.063 3.067.1 1.071.1 1.071.1 1.071.1 1.071.1 1.071.1 1.071.1 1.070.1

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| ### DEPENDENT VARIABLE CP 1990 . 2803 . 2834 | k | | | MSF | MSFC 56711A32F) 19 53/2 53/2 03 EXTER | 7 19 G | 372 53/2 | 8 | · Z | 1ANK | | (RB2T02) | 68 | • | 6
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10 |
|--|----------|---|----------|---------|---------------------------------------|---------|--------------------|--------------|---------|---------|---------------|----------|---|--------|--|
| 6 | • | _ | BETA 1 % | | .000 G | - ANIAE | 9.2803
a.e. c.p | PTA | સં
• | 500 | در | • 6.9757 | Ž. | • | 1.3301 |
| 6 - 3269 - 3106 - 2105 1961 4029 5939 - 4626 - 1064 - 1084 - 1084 - 1084 - 1084 - 1084 - 1084 - 1084 - 1084 - 1084 - 1084 - 1084 - 1084 - 1084 - 1087 - 1077 - 1077 - 1077 - 1077 - 1077 - 1078 - 1078 - 1077 - 1077 - 1078 - 1078 - 1078 - 1077 - 1078 - 1078 - 1078 - 1078 - 1078 - 1078 - 1078 - 1078 - 1078 - 1078 - 1078 - 1078 - 1078 - 1078 - 1078 - 1078 - 1078 | 7LT 0757 | | e | 7.85. | . 2707 | 3130 | .3499 | .3816 | .4378 | .5055 | .5732 | .6408 | .7085 | .7762 | .8439 |
| 35 - 3256 - 3105 - 2057 - 3306 - 4381 - 1005 - 0658 - 0169 - 0170 - 0135 11 - 3260 - 2963 - 1866 - 2573 - 3539 - 1016 - 1023 - 1010 - 0777 11 - 3209 - 2962 - 1679 - 3163 - 3273 - 1025 - 1029 - 1023 - 1010 - 0777 11 - 3209 - 2962 - 1039 - 1049 - 1049 - 1068 - 1070 - 1070 12 - 3167 - 3005 - 1070 - 1070 - 1070 - 1070 - 1070 11 - 3167 - 3005 - 1070 - 1070 - 1070 - 1070 - 1070 11 - 3167 - 3005 - 1080 - 1080 - 1080 - 1070 - 1070 - 1070 11 - 3005 - 1080 - 1080 - 1080 - 1080 - 1080 - 1070 - 1070 - 1070 11 - 3005 - 1070 - 1070 | • | | T TOTAL | 2012 | 2018 | 1961 | .¥029 | .5939 | | 4832 | 1094 | 0281 | 0927 | 0544 | .1495 |
| - 2903 - 1805 - 2904 - 1674 - 3163 - 3539 - 0196 - 2589 - 0668 - 1033 - 10777 - 1305 - 2904 - 1674 - 3163 - 3813 - 0950 - 1086 - 1862 - 10744 - 0531 - 0931 - 0710 - 1305 - 2904 - 1674 - 1805 - 1905 - 1005 | | | 200 | -3105 | 1302 | .2057 | .3306 | .4381 | . 1045 | 3651 | 0685 | 0169 | 0972 | 0527 | |
| -3163 -2692 -1674 -3163 3213 -0950 -1062 -0774 -0531 -0931 -0106 -0110 -0950 -0950 -0950 -0950 -0951 -0910 -0710 -0710 -0710 -0710 -0951 -0950 -0950 -0951 -0951 -0951 -0951 -0950 -0851 -0950 -0851 -0950 -0851 -0950 -0852 -0850 -0851 -0852 | | ā | • | - 2983 | - 1856 | .2373 | 3551 | .3539 | .0196 | 2589 | 0668 | 0239 | -1014 | 0735 | 1447 |
| - 3006 | - | 5.5 | • | 292· | 1674 | .3163 | .3213 | .0950 | 1088 | 1862 | 1.07 | 0531 | 0931 | | |
| -3167 -3055 1405 5825 5153 -5349 -4091 -2078 -0756 -0255 -0255 -0009 -0255 -0256 -0255 -02 | 7 | 333 | • | 3008 | .0334 | 572 | .3392 | 4032 | .0155 | 0920 | 0252 | 4463.1 | 00/00- | 07.0 | 0483 |
| -3187 -3037 -1185 -1660 -0890 -0255 -0059 <th< td=""><td>·</td><td>035</td><td>31g</td><td>. 3035</td><td>. 1405
8 8 8 8</td><td>C 66.</td><td>20.00</td><td>8450
1489</td><td>2078</td><td>0736</td><td>0269</td><td>0261</td><td>0369</td><td> 0082</td><td>.0267</td></th<> | · | 035 | 31g | . 3035 | . 1405
8 8 8 8 | C 66. | 20.00 | 8450
1489 | 2078 | 0736 | 0269 | 0261 | 0369 | 0082 | .0267 |
| -316 -3091 -2495 0067 1284 0655 -11474 -1224 -0623 -0152 0154 0055 -1363 -3163 -3094 -0027 0259 0030 -3163 -3008 -2392 -1655 1858 1908 0031 -1788 -0990 0084 0027 0259 0030 -3183 -3003 -2474 -0303 1569 1567 -0345 -1520 -0894 -0027 0259 0030 -3183 -3003 -2474 -0303 1569 1567 -0345 -1520 -0894 -0927 0084 0030 -3003 -3163 -3003 -2474 -0303 1569 1567 -0345 -1520 -0674 -0027 0259 0030 -3183 -3003 -2474 -0303 1569 1567 -0345 -1520 -0674 -0027 0259 0030 -3187 -3183 -3003 -2474 -0303 1569 -0855 -1474 -1624 -0623 -0152 0069 -0625 -3187 -3163 -2403 -2 | | 0311 | • | #CD5 | E7.6 | 1558 | 2037 | 1185 | 1660 | 0890 | 0260 | 0235 | 6000. | 0065 | .0101 |
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| -3183 -3008 -2392 -1655 .1858 .1908 .005117880990 .0084 .0259 .0030 .0055 -3163303324740303 .1559 .1567034515500154 .0055 .005518741624 .0057 .0559 .0055 .321830912495 .0867 .1284 .065514741224 .0653 .0154 .0055 .0154 .0055 .3218 .3054 .0255 .4030 .29144091 .2078 .00900260 .0261 .00590055 .3187 .3054 .0255 .4030 .29144091 .2078 .00980261 .00590065 .3184 .3055 .1405 .3282 .4032 .0155 .0055 .0056 .0058 .0098 .0098 .0099 .0068 .3218 .3213 .0950 .1088 .0259 .0053 .0099 .0068 .0234 .3163 .3213 .3539 .0195 .2589 .0668 .0239 .1014 .0735 .3228 .3326 .3336 .4331 .1045 .3551 .0559 .0668 .0239 .1014 .0735 .3284 .3105 .1302 .3105 .4331 .4059 .3539 .1045 .3351 .0639 .0068 .0239 .0169 .0068 .0239 .1014 .0735 .3284 .3105 .3105 .4310 .4312 .1097 .0297 .0527 .0527 .3284 .3106 .2109 .2029 .0668 .0239 .0109 .0668 .0239 .01014 .0033 .0057 .3284 .3106 .31 | 5 5 | 0363 | • | 3033 | 表表 | 0303 | .1509 | . 1567 | 0345 | 1520 | 089€ | 0027 | 9555
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| 32163091249308071503 | i | 0363 | ' | -, 3033 | 表 | 0303 | .1509 | , 351. | 0343 | 1224 | 0623 | 0152 | | .0055 | .0160 |
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| 350 - 3264 - 3106 - 2105 .1861 .4029 .5939 9.9990 - 42321094028109270544 |) | 1550. | , , | 2012 | 1302 | 2057 | 3306 | .4381 | . 10±5 | 3651 | 0685 | 0169 | 5.0975 | 9627 | ֡֝֝֡֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓ |
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TABLATED SOURCE DATA, METC THE SET (1A3EF)

EXTERNAL TANK MSTC 967(1A38F) T9 53/2 53/2 03

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DEPENDENT VARIABLE OF SECTION (1) EXTERNAL . S. SACH C

- F83 E 342.000 360.000

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X/LT

ğ 6.9757 **-** 22.005 7 €.00 BETA (5) . .. 80: PACH C &

B. 5301

DEPENDENT VARIABLE CP SECTION (1) EXTERNAL TANK

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0471. 4651. 5651. 7070. 7070. 6650. 5110. 7010. 7010. 7010. 7010. 7010. 7010. 7010. 7010. 7010. 7010. 7010. 7010. 7010. -.1149 -.1167 -.0729 -.0554 -.0162 -.2838

-.0216 -.0050 .0041 .0116 .0178 .0054 -.0216 ...1383 -.1062 -.0862 -.0454 -.0187 -. 0211 -.0311 -.0336 -.6411 -.0429 .0049 -.0103 -.0128 -.0112 -.0538 -.0538 -.0691 -.050* -.0362 -.0183 -.0112 -.0040 -.0467 .0151 .0506 .0110 -.0227 -.1253 -.1503 -.1016 -.1100 -.0404 -.0467 -.0571 -.0808 -.1044 -.1942 -.0291 -.4269 -.3005 -.2499 -.1488 -.1210 -.1130 -.0612 -.0200 -.0779 -.2517 -.0195 -.0721 -.3465 1.1741 -.1463 -.1717 -.0426 -.0279 .0670 -.0204 .1960 .1605 .2686 9.9990 -.0426 -.1871 -.0829 -.1174 -.0306 -.0125 -.0753 -.2145 -.2370 . 35.90 . 35.71 . 35.30 . 35.30 . 35.30 . 35.90 . 36.90 . 36.90 4521. 402. 402. 100. . 2637. 2637. 2769. 2769. 26053. 26053. -.3213 -.2986 -.3059 -.3351 -.3309 -.3160 -.3000 -.2933 -.2762 -.2671 -.2610 -.2575 -.3059 -.2665 -.33!4 -.3180 -.3362 -.3426 -.3386 -.3497 -.3526 - 3485 - 3146 - 3146 - 3146 - 2678 - 2678 - 2684 - 2646 -.3521 -.2801 - 1137 - 1075 - 0879 - 0648 - 0543 - 0153 - 0153 - 0153 - 0153 - 0153 - 0153 - 0153 - 0153 - 0153 -.0%21 -.0890 -.0871 -.1087 -.1225 ¥ 88 € 8 2 . 000 38. 000 772. 000 108. 000 1162. 000 1162. 000 1162. 000 1162. 000 1162. 000 1163

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K/L1

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EXTERNAL TANK MSFC 567(11A32F) 19 53/2 53/2 03

DEPENDENT VARIABLE CP ₹.000 6 ž. HACH (%) =

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ğ 6.9757 뵨 22.005 Ž 9.2803 9.00 BETA (B) .. 80. #CH C #2) #

VARIABLE CP DEPENDENT SECTION (1) EXTERNAL TANK

X/LT

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-.1084 -.0358 -.0251

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-.0795 .2302 .2593 .4166 9.9990

- 1988 - 1879 - 1451 - 0824 - 0375 - 0479 - 3195 - 1693 -

(RBET02)

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HSFC 967(1A32F) 79 53/2 53/2 03

ê .. 82 - C#) HOW DEPENDENT VARIABLE CP

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ğ 6.9757 DEPENDENT VARIABLE CP BETA (7) = 10.000 .. 80. HACH : \$3

SECTION (1) EXTERNAL TANK

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-.1014 -.0289 -.0288 -.0827 -. 1603 -.0712 -.0662 -.0950 -.1578 -.0935 -.0464 .0036 -.07;2 -.1854 -. 1303 -. 2¥80 -.2150 - 188 -. 1250 -.0982 -.0652 -.0798 -.0770 -.3765 -.2849 -.364! -.2188 -.1171 9674, 9783 - 38483, 984844, 98484, 98484, 98484, 98484, 98484, 98484, 98484, 98484, 984844, 98484, 98484, 98484, 98484, 98484, 98484, 98484, 98484, 984844, 98484, 98484, 98484, 98484, 98484, 98484, 98484, 98484, 984844, 98484, 98484, 98484, 98484, 98484, 98484, 98484, 98484, 984844, 98484, 98484, 98484, 98484, 98484, 98484, 98484, 98484, 98484 7.151. 7.771. 19.41. 13.10 1.52. 1.50. 1.5 - 0366 - 0396 - 0397 - 0307 - 0307 - 1008 - 3050 - 3050 - 3050 - 1171 - 1185 - -.3351 -.253 -.253 -.193 -.1702 -.1553 -.3981 -.4113 -.3836 -.3414 -.3060 -.2563 . 1361 1561 1561

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| | 1 | | | TABLEA | TABLILATED SOURCE DATA, MSFC TWT 567 (1A32F) | CE DATA. | HSFC TWI | 11) 196 1 | (327) | | | | | 1 | 2 |
|--------------------|-----------------------|--|---------|--------|--|-----------------------|----------|-----------|----------------|---------|----------------|--------------|----------------|--------|--------|
| CY 435 60 31VO | Ę | | | | | 9 | 6/25 6/1 | 03 | EXTERNAL TANK | TANK | | (RB2T02) | â | | |
| | | | | Ě | MSFC 567(1A3CF) 18 55/E 55/E | ń
P | | } | i | | | 9 | 8 | • | 8.3637 |
| MCH (5) | 1.490 |) • BETA | TA (2) | • | -8.000 0 | • | 9.4716 | PTA | - 22.004 | | •
æ | 6.32.1
1 | Ć | | į |
| SECTION (| SECTION (1) EXTERNAL | TANK | | | DEPENDEN | DEPENDENT VARIABLE CP | E CP | | | | | Ş | | 5 | 2 |
| X/LT | . 0767 | 9261 | . 2203 | CHES. | cora. | 3138 | 3+88 | .3816 | .4378 | 600°. | .6732 | | | | |
| ĩ | | | | ; | į | 90.4 | 8 | £118 | | 4858 | ţ, | | | 163 | - 294 |
| 980 | .,723 | | 2104 | 808 | - 1730 | 2000
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2000 | | 7194 | 9196 | 2809 | 173 | .0351 | | 0197 | # E . |
| 18.000 | | | 178 | 7.17 | 1001 | 70 TO | 1,428 | 3326 | | 1.770 | 0033 | 0745
5.03 | . 1088
6.66 | 8960. | 2 6 C |
| 36.000 | | | 139B | 2 | CA90. | ,236v | .2.38 | B**0 | .1197 | .0697 | 96.30 | . 040. | 2050 | 5080 | .0723 |
| 80. s | | <u> </u> | 7660 | 0989 | .0314 | .4761 | .3959 | **95. | 1862 | AC81. | . 2152 | | 1131 | 9040 | . 1228 |
| 72.000 | | | 0898 | 0938 | 1049. | .6371 | 9757. | מלוב - | PF0F - | 0607 | 0885 | | 0041 | .0314 | .05 |
| 108.000 | | | 100⁴ | 1037 | 0156 | 4340 | 2365 | 0685 | 2270 | 0783 | 0369 | | | .0035 | 0139 |
| 125.000 | | | 122 | | CTT. | 9860 | 1109 | 6800 | 2279 | 0919 | 0258 | | | - UN13 | 1910 |
| 144.000 | | 1121 | - 1468 | 1000 | | 0893 | .0700 | 0172 | 1262 | 0766 | 0413 | \$ 10°- | | 1040 | 0528 |
| 162.000 | | 2830. | 2050 | | | 1568 | 0344 | .0753 | 57.29
57.59 | 0847 | 1990. | | | 0287 | 0270 |
| 180.000 | . 665
66 | 5420 | 1.8.21 | | 198 | 1462 | .0216 | . 1753 | 9540. | 721137 | -, 1234 | | | 0189 | 0271 |
| 198.000
216.000 | | 0512 | 252 | | | .00÷3 | 1042 | 5 0 | - 0393 | - 1328 | 1097 | | | 0271 | 0255 |
| 234.000 | | 0744 | 2455 | 2206 | | 959. | 6104 | - 29B2 | 1255 | -,0607 | 0885 | | | .0314 | *250. |
| 252.000 | | 0838 | 2284 | | | | 200 | -, 3338 | | 1243 | 1563 | | | 0533 | 8 2 |
| 270.000 | | 0961 | - 2 g | | 1010 | 3 6 | .4267 | 2245 | . 1590 | 1245 | 2709 | _ | | 2001 | ניים: |
| 289.000 | | 0903 | - 2085 | 0989 | | 1439 | .1550 | .2150 | . 1562 | -,2255 | 1255 | | | 1634 | -,0161 |
| 305.000 | | 0687 | 200 | | | 1129 | .2644 | .3265 | 0111 | -, 3802 | 0067 | cedu | | 2795 | 076 |
| 324.000 | | יים היים היים היים היים היים היים היים | 2653 | | | | .2×82 | TTTE. | ¥140 | 4827 | 135!
- 1764 | 0069 | | 1634 | 2344 |
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| 18.000 | .3729 | 0001 | | | | | | | | | | | | | |
| 36.000 | 2007 | 9 | | | | | | | | | | | | | |
| 72.000 | 3085 | 5569 | | | | | | | | | | | | | |
| 90.000 | .2867 | 7071 | | | | | | | | | | | | | |
| 108.000 | . 1559 | 1862 | | | | | | | | | | | | | |
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| 215.000 | 0002 | .0463 | | | | | | | | | | | | | |
| 234.000 | .0361 | .0761 | | | | | | | | | | | | | |
| 252.000 | . 1555 | . 1962 | | | | | | | | | | | | | |
| 270.000 | . 1582 | 7160. | | | | | | | | | | | | | |
| 288.000 | E : | 5747. | | | | | | | | | | | | | |
| 375.000 | 001 | 0750 | | | | | | | | | | | | | |
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TABLEATED SOURCE DATA, MSFC THT 567 (1A32F)

EXTERNAL TANK HSFC 567(1A32F) 19 53/2 53/2 03

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DEPENDENT VARIABLE CP SECTION (1) EXTERNAL TANK <u>.</u> MACH 1 50

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ş 6.5271 • 22.00* - 9.4716 20°. BETA (3) = 1.460 MACH C 55

DEPENDENT VARIABLE CP SECTION (1) EXTERNAL TANK

.7762 . 2007 **9**0₹9. .5732 .5055 .4378 .3816 .¥99 .3139 7075. 7.63. .2203 . 1350 7570 X/LT

-.0343 -.0393 -.0369 -.0369 -.0039 -.0029 -.0039 -.0039 -.0005 -.0448 -.0748 -.0466 -.0233 .0284 .0308 .0039 -.0422 .0094 .0152 -.0210 -.0241 -.0328 -.0051 -.0010 .009% -.03%2 .0823 .0623 .17% .17% . 0818 . 0.958 . 0.296 . 0.182 . 0.182 . 0.183 . 0. - . 1241 - . 0907 - . 0572 - . 1739 - . 0836 - . 1062 - . 1349 - . 1039 - . 0630 - . 0630 - . 1135 - . - . 4565 - . 3718 - . 1923 - . 0994 - . 2528 - . 0988 - . 0671 - . 0894 - . 0903 - . 0929 - . 1124 - . 1124 - . 1124 - . 1124 - . 1124 - . 1124 - . 1124 - . 1124 - . 1124 - . 1124 - . 1124 - . 0989 - 0 . 26*1 . 26*1 . 0*55 - . 1006 -.2619 -.2619 -.1707 -.0115 .0379 -.0173 -. 1**663** -. 1830 .0785 . 1606 . 0638 . 1091 . 9990 .1510 .1721 .0752 .3022 .3022 .3481 .3515 .3515 .3525 .3525 .3525 .3525 .3525 .1230 -.0320 -.0161 .2614 .4516 .6210 .4316 .2030 ..1041 ...1279 ...1190 ...0830 ...0830 ...093 ...150 ...1888 ...1583 ...1583 - 1593 - 1409 - 1238 - 1091 - 0720 - 0720 - 1692 - 1281 - 1299 - 1548 - 1548 -.1710 -. 1659 -. 1622 -. 0757 -. 1576 -. 1717 -. 1634 -. 1481 -. 1593 - 1503 - 1439 - 1936 - 1510 - 1510 - 1936 - 1937 - 2136 - 2182 - 2182 - 2182 - 1373 - 1373 -. 1919 -.1609 -.1471 -.1520 -.1575 -.1718 -. 1967 -. 2128 -. 2285 -. 2285 -. 2285 -. 2288 -. 2283 -.2181 -.1952 -.1792 -. 1838 4.535.4 4.535.6 4.5 18.000 36.000 37.000 90.000 100.000 1108.000 1198.000 216.000 216.000 216.000 216.000 216.000 217.000 217.000

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EXTERNAL TANK MSFC 567(1A32F) T9 53/2 53/2 03

덛 - 22.00± 7 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP 900 1.000 BETA (4) = £ .0961 .0814 .0814 .0837 .3016 .1781 .781 .-2099 SECTION I DEXTERNAL TANK SECTION (1) EXTERNAL TANK .9836 7.460 1.460 .0073 .0323 .0351 .0567 .2539 .2539 .786 9116. FACH ('5) = E HOW 182.000 190.000 216.000 216.000 238.000 273.000 280.000 375.000 360.000 X/LT

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#100. - #000. . **9***39 6250.-4000. 8000. 8400. 8100. .7762 -.0174 -.0602 -.0068 -.0223 -.0468 -.0283 - 00552 - 01094 - 0194 - 01937 - 0253 - 0253 - 0109 - 0553 - 0553 . 2807. .0744 .0720 .0720 .0316 .0316 .0505 .0505 .0505 .0505 .0505 .0505 -.0263 . **6**403 .0883 .0%26 -.0080 -.0337 . 1556 . 1014 . . 0868 . . 1859 . . 1072 . . 0463 . . 0395 . . 0999 -.0395 -.0395 -.0165 -.0463 -.1072 -.1859 -.0868 -.0868 -.0868 .5732 -. 3011 -. 4091 -. 1300 . 0005 -. 1300 -. 0721 -. 0735 . 5055 -.2264 -.0618 .0752 .1185 .0752 -.0618 -.0354 .0275 .4571. .9.5999 .437B .3816 .3193 .3193 .3193 .3193 .4145 .4073 .2622 .1429 .4073 .4073 .363 .3193 .3193 ₽. 198 -. 1260 -. 1317 -. 1318. -. 1529. -. 3754. .1597 .1666 .2217 .2001 .3139 .2001 .2217 .1666 .1597 .4551 .6121 .4376 .1520 - 1391 - 1423 - 1370 - 6230 - 1672 - 1675 - 1644 - 1663 - 1672 - 1572 - 1318 - 0230 - 1370 - 1423 - 1391 - 1480 .2707 -.2181 -.2109 -.1986 -.2109 -.2040 -.1954 -.1959 -.1933 -.2050 -.2059 -. 1933 -. 1929 -. 1954 -.2121 -.2098 CHES. -.2050 -.2113 -.2189 -.2189 -.2118 -.2022 -.2027 -.2027 -.2100 -.2101 -.2118 ...2189 -.2100 -.2174 -,2155 -.2027 .2203 -.2155 -.2174 . 1550 0.033 0.023 .0757 18.000 36.000 72.000 196.000 126.00

(RBC102)

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EXTERNAL TANK

HSFC 56711A32F) T9 53/2 53/2 03 8 3

DEPENDENT VARIABLE CP SECTION (1) EXTERNAL TANK X/LT

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REPENDENT VARIABLE CP SECTION 1 DEXTERNAL TANK

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-.0148 -.9189

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18730. | 9836 | 9 | 1947 | .0679 | 3016 | F. 3. | ****** | | .0561 | .0303 | 90.0 | 1750 | ¥ 3 | 1690 | .4506 | .3565 | . 0421 | 2008 | 1.460 | NAL TANK | . 1550 | 3620. | COUD | 0687 | 0903
0961 |
| 1.460 | DEXTERN | 12. 0. | 9018.
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4184. | 8:18 | 1 | 9 6 | .2239 | \$ K | 2015. | . 1099 | 7990. | . 0075
2700. | 0039 | ₹.00 | 0013 | 25.
200. | 6.6 | .2903 | 8192 | 3763 | 3838 | • | DEXTER | 7570. | .4163 | 966 | 787 | .2851
8738 |
| MACH I S) | SECTION I DEXTERNAL TANK | XVLT | PH1
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342.000
356.000 | X/LT | Ŧ | 200 | 36.000 | £.000 | 90.000 | 108.000 | 125.000 | 162.000 | 180.000 | 198.000 | 215.000 | 234.000 | 20.000 | 288.000 | 306.000 | 324.000 | 350.000 | MACH (5) | SECTION (1) EXTERNAL | X/LT | 1Ha | 18.000 | 36.000 | 72.000 |

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EXTERNAL TANK HEFC 567(11432F) T9 53/2 53/2 03

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| 126.000 | É | • | | | | 7 | 1 | | 0393 | 1137 | 1236 | 0675 | 0222 | 0189 | P. |
| 144.003 | E. | | | | | 544 | . ¥ | | 6F *0 | 1107 | - 1495 | 1160 | - 1099 | D287 | 0270 |
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| 215.000 | 5555 | _ | | - 1458 | 1332 | 9930 | | | 0000 | | 0350 | 9 | 2000 | 00.00 | 9E(0 |
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| 305.000 | 0000 | | | 922. | | 2010 - | 1428 | 3326 | .3330 | 1.770 | 0033 | 0745 | 98.
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F | .1570 | . 1660 | | | | | | | | | | | | | |
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| 108.000 | .0897 | . 1085 | | | | | | | | | | | | | |
| 126.000 | .0361 | .076 | | | | | | | | | | | | | |
| 144.000 | -,0002 | .0463 | | | | | | | | | | | | | |
| 162.000 | 0246 | . 0300 | | | | | | | | | | | | | |
| 190.000 | - 036 | 0238 | | | | | | | | | | | | | |
| 199.000 | 9340 | .0024 | | | | | | | | | | | | | |
| 215.000 | 0400. | .0368 | | | | | | | | | | | | | |
| 234.000 | 9990 | . 1211 | | | | | | | | | | | | | |
| 252,000 | .0897 | 1086 | | | | | | | | | | | | | |
| 270.000 | 7987 | .1707 | | | | | | | | | | | | | |
| 900 | 1002 | 1350 | | | | | | | | | | | | | |
| 20E 000 | 2 6 | | | | | | | | | | | | | | |
| 300.000 | 66/1. | | | | | | | | | | | | | | |
| 324.00D | . 1632 | 7424 | | | | | | | | | | | | | |
| 342.300 | 3729 | . 1555 | | | | | | | | | | | | | |
| 363.000 | . 3597 | 2149 | | | | | | | | | | | | | |

(RB2T02)

| TANK |
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| EXTERNAL T |
| S3/2 03 |
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| 567(1A32F) |
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11: | 0357 | 1 334 G | 0350 | 4 6 | MCL. | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | #¿[: - | 8338 | 2355 | | 9.61 | m
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| 4 0 | Í | X | | | | £771 | 1563 | - 1080 | 553 | 3398 | | 1201 | | | | - F. P. S. | . 189
89 | . 2507 | .0891 | ##1
 | - 223 | Ž. | | | | | | | | | | | | | | | | | | | | | |
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מיני | | (E) | 1 | (B) | £6:0 + | 3000° | 0380. | g_50. | # (B) (1) 1 | | | | | | | | | | | | | | | | | | | | | |
| . 6.5271 | | .6408 | 0859 | - 128 | 1079 | 0337 | .0157 | 0063 | 03:6 | 0721 | 0822 | + 1334 | 1 1 2 1 | יו ביים | 0113 | 5120 | 1980 | 613 | 9670. | | Ç | -, C9559 | | | | | | | | | | | | | | | | | | | | | |
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ਕੁ | | .5732 | 60 | 1970. | 0239 | 125t | 2558 | 1697 | 104 | 1345 | 123+ | 1432 | 9250. | - USC3 | 26.1 | 2 | - 2222 | . 0955 | .0583 | 980 | 1385 | 1. 20 P. 1 | | | | | | | | | | | | | | | | | | | | | |
| 22.00* | | .5055 | £964 - | 968* | +014 | 25.3 | 1305 | 0692 | 0431 | 1456 | 1210 | - 1173 | 1117 | 1611 | 9000 | 0.00 | 73.5 | 1778 | . C92 | 0522 | 2597 | 4953 | | | | | | | | | | | | | | | | | | | | | |
| 2 | | .4378 | | 2121 | 0578 | 1965 | ₹002 | | 1006 | .0303 | 0222 | .0112 | 0598 | 2052 | 5 2 | בצמי. | . 2003 | 1905 | 9 | 4.68 | 5038 | 9.9330 | 1272 | | | | | | | | | | | | | | | | | | | | |
| PTA | | .3816 | 2661 | 20 P | 28.70 | 1943 | 1938 | 3126 | - 2859 | .0201 | .0798 | . 1472 | .00⊁6 | 0428 | 013B | 1660 | . 5365 | 20.5 | 10.10.1 | 7,000 | 1000 | 5551 | | | | | | | | | | | | | | | | | | | | | |
| 9.4716 | BLE CP | 349B | Í | | . A | 41.1 | ¥ | 200 | 3083 | 0051 | . 1031 | . 0257 | 0455 | .0622 | 6660 | .2075 | .3921 | 200 | * 1350. | ימנים. | 3021. | שררק
1 | | | | | | | | | | | | | | | | | | | | | |
| į. | VT VARTABLE | .3139 | | 8 | 9 | 2000 | 2001. | 1001 | 1620 | 9 | 0214 | 1582 | 1767 | 0583 | .1105 | 746 | .4733 | .6519 | 1.64. | 5003 | נסטן.
פליוס | 200 | | | | | | | | | | | | | | | | | | | | | |
| 10.508 Q | DEPENDENT | .e707 | | - 133 | | | B. 3 | 109/ | - 1463 | 201 | 2003 | 2060 | -, 1865 | 1493 | 0955 | 0370 | .0713 | 7975. | | | | | 1333 | | | | | | | | | | | | | | | | | | | | |
| • | | .2347 | | 2760 | - 220 | 2114 | 2027 | 1897 | 1913 | 218/ | | Ž, | 2245 | 1737 | 1387 | | | | | | | | K.00 | | | | | | | | | | | | | | | | | | | | |
| BETA (7) | | .2203 | | 2272 | - 12. | 5.57 | 1.090 | - 1856 | 1872 | 2195
50 | 0.036 | | - 2225 | 1831 | 1501 | 1169 | 0989 | | | | | 1965 | 2272 | | | | | | | | | | | | | | | | | | | | |
| 1.460 BB | HAL TANK | . 1550 | | 9610. | 0275 | 0680 | 0978 | 1117 | - <u>1</u> | 0966 | - 180¢ | C0/0'- | 0.09.0 | .0322 | .0913 | . 1505 | .2027 | .2202 | . 1956 | 154 | .1162 | .0403 | .0198 | | .9835 | | | 2314 | • | | 9/61. | | | | | | • | | | | | .6055 | |
| • | 1)EXTER | 1870 . | | . 403S | .3336 | .2893 | .26±0 | 582 | .239 | .2458 | 5633 | Ċ. | 5304 | 7 | 5045 | .6056 | .6557 | .6647 | .6773 | .6313 | .5615 | . +820 | .4036 | | 9116. | | 3710 | . n 56 7 | . 1912 | . 1353 | 1357 | 0567 | 0376 | -, 0255 | 03480 | 0758 | 0790 | 0309 | .0673 | . 6567 | 3010 | 3915 | |
| PACH (S) | SECTION (1) EXTERNAL | X/LT | ã | .000 | 18.000 | 36.000 | S≠. 000 | 72.000 | 90.00 | 109.000 | 126.000 | 144.000 | 152.000 | 000.081 | 216.000 | 234 000 | 252,000 | 270.000 | 288.000 | 306.000 | 324.000 | 3+2.050 | 350.000 | 378.001 | */LT | Ē | 000 | 18.000 | 35.000 | 3 €. 000 | 72.000 | 90.000 | 125.020 | 144,000 | 152.000 | 195.000 | 199.000 | 216.030 | 234.009 | 252.000 | 270.03 0 | 288.000 | |

PAGE

EXTERBIAL TANK HSFC 56711A32F) TO 53/2 53/2 03

TABLATED SOUNCE DATA, MSFC THT 967 (1A38F)

DATE: 05 SEP 75

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DEPENDENT VARIABLE CP SECTION (I) EXTERNAL TANK

MACH (5)

9116

2:13. -.2216 3710 342.000 350.000 -0.000 MACH (6)

DEPENDENT VARIABLE CP SECTION I DEXTERNAL TANK .5732

9610---0133 .0051 .0051 .0101 .0101 .0107 .0354 .0354 .0357 .0357 .0359 7.13.72 .053% .153.7 .258.3 .251.7 .258.3 .251.7 .2030 - 1000 - -.2442 -.0365 .0903 .1117 .3921 -.0124 -.1827 -. 1970 -. 1021 -. 0714 -. 0365 . 0972 -. 0538 -. 1693 3021 3528 1.1853 1.1837 -.0673 -.0819 0.109 0.109 0.109 0.109 0.109 0.109 0.20 3818 2001. 2001. 2001. 2501. 2501. 2502. 2723. 3148. 2605. 2605. 2606. .2707 .2347 .2203 1350 .0757 18.000 18.000 19.000 10.000 11.000

...0650 ...0650 ...0653 ...0458 ...0421 ...0323

. 0496 . 0759 . 0603 . 0584 . 1088 . 3648 . 3648 . 0379 . 0379 . 0518 -.0049 -.0049 .0014 .0477 .3403 .3125 .3125 .1024 .1024 -.0331 -.00%9 .0285 .03% .0670 -.0689 -.0691 -.0938 - . 0952 - . 0716 - . 0716 - . 0071 - . 0127 - . 0286 - . 0462 - . 0718 -.0559 -.0559 -.0559 -.057 .0037 -.0055 -.0045 2000.

-.1016 -.0944 .0011 -.0865 -.0865 -.0928 -.1116 -.1215 -.1065 -.1004 - 10695 - 10697 - 10697 - 10697 - 10997 - 10997 - 10997 - 10997 - 10997 - 10997 - 10997 - 10997 - 10997 - 10997 - 10997 - 10997 4726 5272 5272 5272 5183

-.0497 -.0507 -.0459

-.0241

-.0217 -.0297 .0323 -.0258

-.0843

.0984 .2239 .0699 .1831 9.9990

-.0974 -.0886 -.0807 -.0741 -.0680

-.0914 -.0973 -.1028

- 1689 - 1665 - 3543 - 3780 - 0312 - 0767 - 0831 - 0831 .0050 .0823 .1267 .1508 .1120 .0966 .1207 .0342 . 000 19.600 35.000 72.000 90.000 108.000 35.000

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DEPENDENT VARIABLE CP **-8**.000 SECTION (1) EXTERNAL TANK ..96 MACH (6) .

7.08+0 룓 27.997 PTA 000·₹ BETA (2) = .0169 .0334 .0548 .0767 .0007 .1644 .9836 -.0177 1.960 9116. -.0535 -.0124 -.0055 .0056 .1207 . 0195 - . 0282 . 0060 .0829 .0587 MACH (6) 23.000 270.000 270.000 288.000 305.900 324.000 162.000 180.000 198.000 216.000 X/LT

8 30 .0178 .0451 .0572 #350. #540. #560. #500.--.0175 -.0259 -.0013 8000.1 9000.1 9000.1 9000.1 9000.1 9000.1 9000.1 -.0255 -.0295 -.0289 .0583 .0583 .0510 .0576 .0376 .0103 .0145 .0103 -.02C2 -.0137 .7162 -.0398 -.0421 -.0039 0195 0.0587 0.0406 0.0408 0.0099 0.0149 0.0149 0.0149 0.0149 0.0149 0.0149 0.0149 0.0149 -.0243 9410 .0203 . 70**8**5 ..0800 ..022: ..0134 ..0315 ..0307 ..0307 ..0507 ..0507 -.0543 -.0183 -.0307 -.0527 -.0536 -.0001 -.0285 -.1294 -.0428 -.0768 -.0395 .0323 .5732 . 1869 . 0736 . 0039 . 0237 . 1167 . 11794 . 11895 . 0001 . 0001 . 0001 . 0001 . 0001 . 0001 . 0001 . 0001 . 0001 . 0001 -.0002 -.0531 -.0996 -.1946 -. 1465 .5055 -.1002 -.0319 .0164 .1215 .0625 -.0165 . 1760 . 2254 . 2876 . 9990 7514. .4378 .4127 .3858 .0429 -.1738 -. 1774 -.0431 -.2028 2,471. 2,0630 2,0830 3,1339 .2678 .2343 .2894 .3816 .1604 .3458 .5579 1.0299 .5551 .25544 .0897 -.0221 -.0243 .0073 .0603 .5257 .5533 .0943 .1713 .1685 .3499 DEPENDENT VARIABLE CP . 0115 - 0009 - 0003 - 0003 - 2930 - 3912 - 2859 - 0259 - 0304 - 0534 -.0587 -.0505 -.0562 -.0445 .3139 .3919 .0482 .0277 .0096 -.0504 -.0843 -.0849 -.0795 -.0916 -.0656 -.0527 -.0282 -.0342 -.0376 -.0952 -.083+ -.080+ .e707 -.0527 -.0402 -.0364 -.0361 -, 0629 -.0837 -.0831 -.0878 -.0742 -.0572 -.0593 -.0383 -.0466 -.0575 -.0533 -.0966 -.1130 -.1115 -.1096 -.0987 -.0962 -.0955 .2347 -.0523 -.0508 -.0459 -.0459 -.0769 -.0788 -.0905 -.1126 -.1137 -.1187 -.1212 .2203 -. 1221 -.1151 -.0640 . 1373 . 1576 . 1573 . 1576 . 1756 . 1756 . 1756 . 1756 . 1756 . 1757 . SECTION (1) EXTERNAL TANK . 1550 3802 3802 3529 3549 3827 3908 4072 4280 .0757 .4902 .5219 .5219 .5296 .5298 .5383 .5389 .5389 .5264 .5007 .4772 90.000 126.000 144.000 162.000 193.000 216.000 216.000 225.000 286.000 339.000 378.000 35.000 54.000 72.000 X/LT

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HSFC 567(1A32F) TO 53/2 53/2 03

DEPENDENT VARIABLE 8.7 ETA (2) SECTION (1) EXTERNAL TANK - 380 MACH C 55 =

.9836

4651. 6200. 6200. 6200. 6200. 6200. 6200. 6200. 6200. 6200. .0100 .0183 .0561 .0927 .0493 -.0156 -.2235 1823. 1680. 1680. 1680. 1680. 1690. 16 18.000 35.000 172.000 190.000 182.000 182.000 199.000 199.000 199.000 215.000 270.000 230.000 330.000 350.000

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SECTION (1) EXTERNAL TANK

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VARIABLE CP

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- .0593 - .0593 - .0530 - .0540 - .0511 - .0526 - .0572 - .0587 - .0687 - .0681 - .0839 - .0878 - .0878 - .0869 - .09973 - .09979 - .0979 - .0979 - .0979

.4093 .3632 .1315 -.1386

. 0926 . 0912 . 1003 . 1003 . 1007 . 1005 . 1007 . 1007 . 1003 . 1003 . 1003 . 1003 . 1003 . 1003 . 1003 . 1003 . 1003 . 1003

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- 1906 - 0668 - 0668 - 0692 - 0698 - 0668 - 1906 370F. 2885. 2787. 2161. 216. 2-0560. 2-0666. 3 . 1993 . 1994 . 1995 . 1038 . 1038 . 1038 . 1039 . 1039 . 1039 . 1039 . 1039 . 1039 . 1039 . 1039 . 1039 . 1039 . 1039 . 1039 - 0223 - 0118 - 0118 - 0118 - 0118 - 0227 - 0623 - 0623 - 0623 - 0623 - 0623 - 0623 - 0750 - 0750

. 0161 . 0248 . 0233 . 0336 . 0336 . 0237 . 0223 . 0428 . . 0637 . 0638 . 1650 . 0659 . 0659 . 0659 . 0651 . 0650 . 4180 - 4180 - 4180 - 61

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(S82702)

| | | | | HSF | ; 967(1A3 | NSFC 567(1A32F) 19 53/2 53/2 03 | 3/2 53/2 | | EXTERNAL TANK | TANK | | (RB2T02) | ê | | |
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| HACH (6) | 1.900 | | BETA (3) | • | 900 | | | | | | | | | | |
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| א/L? | .0757 | 9991 | . 2203 | 7453. | .2707 | 3139 | 3498 | .3816 | .4378 | .5055 | .5732 | .6¥08 | .7085 | 3911. | . 1 30 |
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| 80.86
8.86 | .0338 | 161. | | | | | | | | | | | | | |
| 90.000 | .0873 | 0554 | | | | | | | | | | | | | |
| 108.000 | .0817 | .0768 | | | | | | | | | | | | | |
| 126.000 | 9900. | #80! · | | | | | | | | | | | | | |
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| 180.000 | .0141 | .0217 | | | | | | | | | | | | | |
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ھ | - 7.08% | 8 | • | 3.8384 |
| | | | | | | OCCUPANT VADIABLE | ٥ | | | | | | | | |
| SECTION (1) EXTERNAL | DEXTERN | IAL TANK | | | | | | | | | | | | | |
| X/LT | 7570. | .1550 | .2203 | .2347 | .2707 | .3139 | 3+89 | .3816 | .4378 | . 5055 | .5732 | 9 0≁9. | .7685 | .7762 | .8*39 |
| Ē | | | | | 9 | 0000 | 9 | 600 | | 1860 | 0107 | - 003E | 6110 | 9.
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| 000 | ¥679 | 101. | . D865 | 9990 | 1.0009
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1.0009 | 5000 | 1683 | 2000. | .2876 | - 1945 | .0323 | | | | 0262 |
| 18.000 | | 9000 | | | - 0816 | .0228 | .1713 | .2678 | 200 | 0990 | 0395 | | | 0153 | ST10 |
| 36.000 | 3/04. | 0610 | | | 0837 | .0277 | .0943 | 4171. | 1760 | 0531 | 0768 | - 6255 | | 0152 | 0399 |
| 35.000 | 3827 | .0509 | | 0950 | 0795 | .0482 | .5533 | 0503 | 0431 | -,0002 | 0435 | - 2836 | | | 0122 |
| 90.000 | .3549 | .0361 | 1212 | 0962 | 6 , 68€ | .3919 | .9713 | 0788 | | - 1465 | - 125
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EXTERNAL TANK

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MSFC 567 (1A32F) TB 53/E 53/E 03

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MACH (8) .

85.5 - 0948 - 0919 - 0543 - 0543 - 0543 - 0548 - 0948 - -.0020 -.0500 -.0500 -.0244 -.0259 -.0850 -.0850 -.0850 -.0850 -.0850 -.0850 .5732 .5055 -.0316 -.0316 -.0165 .0669 .0164 -.0319 -.2026 .4378 .0425 .0425 .3858 .4127 9.9990 3816 . ¥98 .0603 .0603 .0003 DEPENDENT VARIABLE .3139 9110. - 0405 - 0505 - 0505 - 0505 - 0505 - 0506 - 0506 - 0609 - 0609 .e200 - 11130 - 0918 - 0933 - 0735 - 0575 - 0950 - 0950 - 0572 - 0572 - 0689 7.63. . 1821 - 1187 - 1137 - 1136 - 0892 - 0789 - 0789 - 0519 - 0519 - 0459 - 2203 SECTION (1) EXTERNAL TANK . 1936 .0501 .0501 .0502 .0781 .0781 .1117 .1596 .1756 .1756 .1756 .1756 .1756 .1599 .1599 .0757 PH1
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35.000
35.000
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378.000 MACH (6) Ī X/LT

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.9836 9116.

X/LT

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8.000

DEPENDENT VARIABLE BETA (5) SECTION (1) EXTERNAL TANK . 1745 .9836 . 96C 9116 .0409 MACH (B) 3×2.00° 360.000

.7762 7086 .6v0B .5732 5055 .4378 3816 .¥499 DEPENDENT VARIABLE CP .3139 COC3. -9.000 C#53. BETA (1) = . 2203 SECTION (1) EXTERNAL TANK C HACH C 7

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TABLATED SOUNCE DATA, MSFC THT 567 (TABE)

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| 216.000 | | | | .0116 | 0153 | 0156 | 00₹ | .0286 | .0293 | 0 <u>0</u> ₹ | 0153 | 0369 | 0387 | 0032 | - 3056 |
| 234.000 | | | | .0052 | 0083 | 0075 | .0118 | .0703 | .0938 | .0152 | 0555 | 06¥8 | 0257 | 0101 | 0115 |
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9.30 -.0206 -.3104 -.0111 -.0030 8.39 .67500 .7762 .0013 .0108 .01098 .01991 .7762 Š .7085 .7085 .0003 .0179 .0071 .0358 (RB2102) 5.3300 .0199 -.0300 -.06.3 .0440 .6408 .6¥08 .5732 -.0324 -.0158 -.0050 .0051 5.78 덛 . 5055 -.0192 .0794 .0912 -.0036 .5055 50.033 EXTERNAL TANK .4378 -.0077 .1278 .1281 .2263 9.9990 .4378 .3816 Δ .3816 .0794 .0794 .1024 .0876 MSFC 567(1A32F) T9 53/2 53/2 03 ₩. 5.7192 88. 8. .0615 .0615 .0652 .0606 VARIABLE CP DEPENDENT VARIABLE .3139 .3139 .0138 .0131 .0131 .0240 DEPENDENT .2707 .0016 .0006 .0003 .0075 **F00.2** ₹.000 .234J -.0138 -.0108 -.0060 -.0006 2347 3 8 .2203 .2203 -.0175 -.0145 -.0091 -.0033 BETA . 55 56 SECTION (1) EXTERNAL TANK SECTION (1) EXTERNAL TANK -.0814 -.0091 -.0502 -.0138 -.0139 -.0189 . 1550 .9836 3.500 3.500 .0757 .6757 1114. 0404. 8014. 0804. MACH (B) . HACH C B) 18.000 35.000 172.000 190.000 1126.000 156.000 190.000 190.000 190.000 190.000 190.000 190.000 190.000 190.000 190.000 190.000 190.000 190.000 190.000 190.000 190.000 190.000 190.000 190.000 PHI 288.000 306.000 324.000 342.000 378.000 378.000 X/LT X/LT XLT

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(RB2T02)

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TABLLATED SOURCE DATA, HSFC THT 567 (1A32F)

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8 39 17.270 90.00 .000 .003 2001. 2001. 2001. 2000. .7762 . . CONF 16 RUDDER ORBINC .7085 PARAMETRIC DATA 4.9867 5.000 -.0226 -.0127 -.0387 -.0270 .640B .0384 .0384 .0313 .0187 .0182 .0182 .0181 .0181 .0181 .0181 .0181 -,1395 - 1209 - 0126 - 0127 - 0162 - 0162 - 0165 - 0016 - 0016 - 0016 - 0006 - 0006 - 0006 -.0306 -.02:7 .0007 -.6576 -.0539 .5732 -.0306 -.0711 -. 1287 ALPHA DELTAZ X-SRB 떭 -.0998 -.1337 . 5055 - 22.007 - . 0522 - . 0315 - . 0315 - . 0315 - . 0369 - . 0532 - . 0532 - . 0532 - . 0532 - . 0532 - . 0532 .4378 -.1216 -.0504 -.0799 -.1686 -.3940 5.9997 -.:2:6 -. 1991 -. 2301 2001. -. 2500 -. 5993 PTA .3816 -.0135 1.1522 1.1522 1.1670 1.1670 1.1680 1.0729 1.0737 1. 1.1697 - 1697 - 1991 - 10853 - 10803 - 18531 • 4.3330 86 K. DEPENDENT VARIABLE CP -.0100 -.0217 -.0190 .0018 .3139 .1658 .2162 .0169 .0563 .1020 2.5490 IN. .0000 IV. 0000 IN. **₽** 000 **•** 0.500. - 1010. - 10 11514 10101 10700 1170 1070 1030 1030 1030 C075. 7453. -.1546 -.1720 -.1858 -.1149 .0603 .0932 -.0082 - 0127 -.0691 -.0728 -.1989 BETA (1) = -.2103 -.2055 -.1835 -.1832 -.1690 -.2211 -. 1895 -.21:9 . 2203 -. 2520 -. 2541 -. 2295 -. 1948 REFERENCE DATA -.1652 -.1995 -.2230 -.2562 -.2755 -.3004 -.3070 -.3155 6.1980 SO. IN. 5.3130 IN. 5.3130 IN. SECTION (1) EXTERNAL TANK . 886 - 3339 - 3181 - 2862 - 2053 - 2053 - 1755 - 1559 - 1366 6441.--.0720 .0388 -.0270 -. 0693 -. 38:3 -1.0339 -. C172 -.1255 -.1341 -.1293 - 1918 - : : : : : . 9636 .600 2000 2000 2750 2750 1132 11087 11471 11450 10744 10331 .0757 00311 00401 00401 00401 00511 00511 00511 00511 00511 00511 00511 00511 00511 00511 00511 00511 00511 . 1**66**7 MACH C 13 18.000 36.000 30.000 128.000 128.000 138.00 BREF SCALE 1965

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.1762 .0093 .0063 -.0078 -.0064 .0005 .0321 .0321 .7085 -.0448 -.0496 -.1414 -.1253 -.0152 .0088 -.0042 -.0194 .640B -.0574 -.0183 -.0173 -.0326 -.0332 -.0332 -.0321 -.0084 -.0902 -.1070 -.1721 -.3240 -.0100 -.0464 -.0242 -.1008 -. 1222 . 5055 -.0316 -.0431 -.0475 -.0548 -.0580 -. 0992 EXTERNAL TANK -.2480 -.2196 -.0590 -.0811 -.0928 -.0955 -.0881 -.1576 .4378 -.2692 -.1681 -.1265 -.1315 -.1997 -.4010 -.7463 -.7002 -.2069 -.2069 -.2694 3816 MSFC 567(11A32F) T9 53/2 53/2 03 -.0542 -.0321 -.0464 -.0168 -.0507 -.0207 -.1546 -.0542 -.1546 -.0543 -. Ø\$€. DEPENDENT VARIABLE 3139 .0830 .0338 .0183 .0370 .0790 .1641 .2708 .2136 .1590 .1352 .1248 .e707 -4.000 -.0022 .0190 -.0654 -.0289 .1031 .0508 .0608 .0790 .0279 .0036 7465. BETA (1) • 2175.-2186.-2008.-1.486.-2695.-2671.--.0157 -.0359 -.0553 -.0985 .2203 - 18%2 - 2082 - 2082 - 3862 - 3862 - 3662 - -. 4544 -.4730 386 SECTION I DEXTERNAL 1105. 1245. 1906. 1906. 1906. 1500. 1500. 2100. .073 **∂** PH1
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| ī | 000 | 18.000 | 36,000 | 000 £ | 72.000 | 90.000 | 109.000 | 126.000 | 144,000 | 162.030 | 190 000 | 199.003 | 216.000 | 234.000 | 252,000 | 270.000 | 289 003 | 305,000 | 324.000 | 3~2 090 | |

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| 000 00773 - 1979 - 1979 0112 1353 1579 0110 0079 - 1986 - 1987 - | ã | | į | | | 97.1 | 22.65 | 3000 | 3875. | | 8118 | 3410 | 123 | 6.3 | 1.053 | TEI. |
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| 100 | | 2 | Bar | 3157 | .0112 | . 1333 | . 1562 | . 1105 | 8 S | 9 | 100 | , neg , | 0235 | 6.50 | רורט. | .1108 |
| 1907 2399 2009 1779 2789 | 000 | 9990 | 4528 | | .0366 | 5. E | 121. | B.C | UC 7 | 2001. | 100 | 0792 | 0396 | 1610. | 3690 | .112 |
| 000 1300 -3364 - 1080 1192 - 3344 - 3799 1256 - 6868 - 1042 - 0.043 - 0.017 - 0.048 1000 1007 - 3264 - 0.043 1000 1007 - 3264 - 0.043 1000 1007 - 3264 1008 1009 1 | 72.000 | 920 | 3980 | 0689 | .0769 | 1878 | 5 | 19/1 |) CCC. | | - 1180 | 0823 | - CESS | 3360 | . 9593 | . 1019 |
| 1907 1928 1928 1929 | 90.000 | 1300 | - 3619 | 0803 | 335 | 3 in | 8 6 | 8 %
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. 107: | 225.000 | . 12:8 | .83 | | | | | | | | | | | | | |
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| . 167: | 288.003 | 13.6 | 0539 | | | | | | | | | | | | | |
| | 306.000 | . 107: | 0272 | | | | | | | | | | | | | |

(R82703) EXTERNAL TANK MSFC 567(1A32F) 19 53/2 53/2 03 8 BETA LEE 8

531. ž . 2005 6.2700 6043. -.0152 -.1253 -.1214 -.1246 -.1248 -.9574 -.0585 6 M M 7,3;83 .5732 -.2037 -.3240 -.1721 -.1070 덛 - . 6775 - . 3921 - . 1554 - . 1528 - . 1528 - . 0459 - . 0459 - . 0540 - . 0540 - . 0415 - . 0415 -,020; -,0359 -,0522 -,0552 .5055 22.00B -.3027 -.2196 -.2480 -.1576 -. 0955 -. 0955 -. 0850 -.0590 -. 1238 .4378 -.4572 -.0811 . 1486 - . 1486 - . 2960 - . 7002 - . 7463 -.1997 -.1315 -.1246 -.491: -.8257 -.6832 -.1591 -.2642 3816 PTA -.4010 2983. 11189. 7.3630 80×6. DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .3139 **COCS**. \$.000 .000 .0*16 -.0289 -.9871 -.3211 .0180 -.0622 .0×93 .1182 .1351 C. C. -.0583 -.0036 .0278 .094 .096 .1391 ETA (3) . -.2715 .2203 -.0157 -.0592 -.1736 -.3576 -.0965 -.0553 -. 2965 -.294 -.3541 - 4644 - 4487 - 4162 - 3552 - 3252 - 2753 - 2351 . 1550 -. 1842 .1513 -.5556 SECTION 1 DEXTERNAL TANK -.4730 -. 2082 -. 2212 SECTION I DEXTERNAL TANK -. 1891 . 8636 8 - 0036 - 0036 - 0036 - 0036 - 0036 - 0036 - 0333 - 0363 - 916 .0757 MACH (2) . MACH - 20 19,000 35,000 35,000 472,000 100,000 110,000 1 360.000 360.000 Ē X/LT

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-.1637

-.1790 .0595 .2253 .2759

1.6:14

-.0537 -.0269 9.9950 -.4572

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-.15:9 -,0110.--,0554.--.0263 -.7868 -.4057 .9836 .15.9 .0737 .0737 .1188 .1911 .1043 .0571 88 Ŧ 1

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MACH (2)

TABLEATED BOLNCE DATA, HISTO TAT

PACE

EXTERNAL MSTC 56711A32F1 TB 53/2 53/2 03

-.0300 --.0300 --.0130 --.0130 --.0130 --.0130 --.0130 --.0130 --.0130 --.0130 --.0130 --.0130 --.0130 ##50. - ##50. .5055 - . 6299 - . 3936 - . 1651 - . 059 - . 0100 - . 0100 - . 0100 - . 0100 - . 036 - . 037 - . 036 - . 037 - 037 - 0 .0726 -.0073 -.1473 ..0297 ..0297 ..1661 ..1310 ..1647 ..1647 ..1648 3016 . 4064 . 3561 . 2038 . 4037 . 4038 . 1673 . 1731 . 1731 . 1737 . 8 A. DEPENDENT VARIABLE .3139 . 2707 -4.000 7.83. . 1607 . 2130 . 2491 . 1687 . 1088 . = - 19463 - 1933 - 1933 - 1933 - 1936 -. 2203 - 2606 - 237 - 1963 - 1916 - 1069 - 0057 - 0058 - 0058 - 0058 - 0058 - 0058 - 0058 - 1399 1550 .. 980 SECTION 1 DEXTERNAL DEXTERNAL 0757 11.00 MACH 133 P41 162-000 199-000 24-000 255-000 270-000 270-000 270-000 270-000 270-000 270-000 270-000 270-000 270-000 270-000 270-000 270-000 18.900 18.900 172.000 100.000 110.0 SEC710N

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-. 1157 -. 0765 -. 1432 -. 2737 -. 4917

-.2533 -.2530 -.2711 -.2807 -.2801

(RB2T03)

EXTERNAL TANK

MSFC 567(1A32F) T9 53/2 53/2 03

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11.008

| DATE 35 SEP | k | | | TABLE | TABLLATED SOUNCE DAIR, METC THE SET (1A3EF) | OF CATA. | , ASFC TI | II 587 I | 1A32F) | | | | | PACE | <u> </u> |
|---|--------------------|------------|-----------|--------------|---|-------------|-----------|----------|------------|--------|--------------------|---------------|----------|-------------|--------------------|
| | | | | 5 | HSFC 967(1A32F) 19 57/c 53/2 03 | IZF.) TIB 6 | 37.6 SW | | EXTERNAL | *** | | (KB2T03) | 103) | | |
| PAC: 1 30 | - | 1.050 | BETA (2) | • | 000. | | | | | | | | | | |
| SECTION (INEXTERNAL | UEATER | DIAL TANK | × | | DEPENDENT VARIABLE CP | IT VARIVE | LE CP | | | | | | | | |
| X/LT | . O757 | .1550 | . 2203 | .2347 | .2707 | .3139 | 98.
6 | 3816 | .4378 | 5055 | .573e | 90 *2. | . 7065 | 387. | 6 . |
| Ē | • | • | | | 2000 | 3005 | á | 200 | 9 | 2 | 0.00 | 9 | C083 | Ř | 1112 |
| 200.000.000.000.000.000.000.000.000.000 | 5. F. C. | | 151. | | 0595° | 2623 | 82 | 2071 | 0705 | 0751 | - 0255 | 0572 | 68.0 | Ä | .2101 |
| 45 DOO | 6 | - 2380 | | | 1666 | .g. | Ø. | .1377 | 0691 | 1497 | 0450 | 0709 | .0216 | 1338 | .2151 |
| 342.000 | .202 | 2520 | | | <u>5</u> | . 2833 | 345. | . 2936 | 1204 | 3180 | ₹
8.1 | 0791 | .010 | . 1365 | 8222 |
| 360.000 | .2105 | - 2637 | | 138 | .0836 | 2593 | .3662 | Ē, | 9.990 | 5665 | - 179 |
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| 378.000 | | | | | | | | | ָבָּ
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| X/L7 | .9116 | 386 | | | | | | | | | | | | | |
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| 36.000 | 1. | 6900 | | | | | | | | | | | | | |
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| 90.000 |) PB 2 | 9881 | | | | | | | | | | | | | |
| 109.000 | .2334 | .2045 | | | | | | | | | | | | | |
| 126.000 | . 1945 | . 1483 | | | | | | | | | | | | | |
| 144.000 | . 1820 | 355 | | | | | | | | | | | | | |
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| 360.000 | .ee17 | - 4929 | | | | | | | | | | | | | |
| MACH (3) |
 | 1.050 | BETA (3) | | 4.000 o | • | 8.4300 | PTA | | 22.007 | | - 6.5700 | 8 | • | 11.008 |
| SECTION (1) EXTERNAL | I) EXTER | NAL TAP | | | DEPENDENT VARIABLE CP | T VARIA | 92 31 | | • | | | | | | |
| X/LT | 7570. | . 1550 | .2203 | .2347 | .2707 | .3139 | 85E. | .3916 | .4378 | 80 | .5732 | .6408 | .708% | .7782 | .0439 |
| £ | | | | | | | | | | | | | | | |
| 000 | . 1918 | 2767 | . X25 | 194B | . 1103 | .3207 | 3990 | .3861 | | | - 0 00. | 0581 | .0570 | 1931 | . 269 0 |
| 18.000 | | 2848 | 2698 | 0659 | .0 91 , | .3009 | .3520 | | | | | 1441 | .0136 | : 363 | .2334 |
| 36.000 | | - 2801 | - 1926 | 0563 | 1921 | .3020 | .2817 | .1532 | | | | 1306 | 0161 | 3.5. | 5115 |
| 25. st | | | 3019 | 0805 | \$6.00
 | .2873 | | | | | | C : | 7510. | 3 6 | 8 |
| 72.000 | | 11/2:- | CC. | 0355
6.19 | 2. E | .343. | | | | | | | 1 | 55.00 | 200 |
| 90.00 | -2008 | | 2756 | U+3+ | .3316 | . 5533 | . 4333 | 6191 | | | U34 i |)
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TABULATED SOURCE DATA, MSFC THT 567 (1A32F)

(RB2T03) EXTERNAL TANK MSFC 567(1A32F) T9 53/2 53/2 03

4.000

BETA (3)

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EXTERNAL TANK HSFC 567(1A32F) T9 53/2 53/2 03

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EXTERNAL TANK MSFC 56711A32F1 T9 53/2 53/2 03

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|---|-------|--------|--------|--------|--------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 9194. | .3383 | .2617 | 表 | 35.3 | .2300 | . 1305 | G695 | .039 | .0121 | .0138 | 1710. | . 0506 | 1680 | . 1335 | .233 | . 3976 | .¥.38 | . 4528 |
| ŧ | 000 | 18.000 | 36.000 | 54.000 | 72.000 | 90.000 | 109.005 | 126.000 | 144.000 | 162.000 | 189.000 | 198.000 | 215.000 | 234.003 | 252.000 | 270.000 | 289.000 | 305.030 | 324.000 |

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EXTERNAL TANK MSTC 567(1A32F) T9 £3/2 53/2 03

DEPENDENT VARIABLE CP **900.** † BETA (!) • SECTION 1 DEXTERNAL TANK 8.

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B. W. 3.8317 STE 7085 . 9408 .5732 5055 .437B 3016 3499 DEPENDENT VARIABLE CP .3139 **COTS**. C#5. . 2203 SECTION (I) EXTERNAL TANK . 1550 0757 MCH - 63

2990.1766.1776.17 - 0493 - 0536 - 0165 - 0165 - 0166 - . 1367 . 1367 . 1367 . 1689 . 1699 . . 1318 - 0568 .0330 .0559 .1332 .1332 .0330 - 0366 -.1318 .050* .262* .2586 .9990 .2885 .3885 . 1614 . 0651 . 1614 . 1491 . 3118 . 0345 . . 0730 . . 1649 . 1793 . 2025 . 2195 .1302 .1340 .1342 .1943 .3693 1.0108 .7807 .1700 .0055 .0055 .0011 .1700 .7807 .1.0.106 .3693 . 13%2 . 13%0 . 1302 .0203 .0383 .0*17 ..0316 ..0222 ..0222 ..0316 ..0316 ..0515 ..0517 ..0517 -.0787 -.0575 -.0568 -.0515 -.0849 -.0849 -.0836 -.0908 - 1024 - 1024 - 1024 - 1024 - 1025 - 0233 - 0262 - 0262 - 0263 - 1024 - -.0839 -.0877 -.1024 -.1146 -.1152 -.1077 -.0349 -.0128 -.0518 -.0349 -.05¥5 -.0918 -.910 -. 1152 - 029 -.0045 .0940 .0345 .0345 .0345 .0346 . 1011 . 0942 . 0340 . 0440 . 0440 530 526 3822 3343 3393 18.000 3.6.000 19.000 10.000 10.000 10.000 11.6.00

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| HSFC 567(1A32F) |
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| DEPENDENT VARIABLE CP | | | | | | | | | | | | | | | | | | | | | | | • 10.259 | VARIABLE | £. 851E. | | | | | 3600. | | | | | | | ١ | | .0405 | |
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| SECTION (1) EXTERNAL | .9116 | 54.65 | ES. | 2305 | . 2025. | £05. | 2075 | 1101. | 6 20. | .016 | .0131 | 5×10. | .0131 | 96. | .033 | 101. | £55. | 5402. | .2025 | 2506 | T08. | 3542 | • | SECTION 1 DEXTERNAL | .0757 | | . M. 150 | .3385 | <u>m</u> | 5. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | 8/5 | 7165. | 3 6 | 10 | 453 | 5003 | 6216 | .6290 | 96 | 1 |
| | | 8 | 18.000 | 36.000 | £.000 | 72.000 | 90.000 | 108.000 | 126.000 | 144.000 | 162.000 | 180.000 | 138.000 | 216.000 | 23t. 000 | 252.000 | 270.000 | 286.000 | 306.000 | 324.000 | 342.000 | 360.000 | MACH (6) | 8 | | ã | 000 | 18.000 | 36.000 | 000 · ₹ | 72.000 | 90.000 | | 000.44 | 020 29 | ישני שני | 200.00 | 215.030 | 234.000 | 24.15 |

TABLATED SOUNCE DATA, MSFC THE SST LIASSFI

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| | | | | | HSFC | HSFC 567(1A32F) TO 53/2 53/2 03 | F) 19 83 | s/e 53/e | | EXTERNAL | TANK | | (RB2103) | 03) | | |
| HACH (7) | • | 8.990 | META | 3 · 4 | -4.000 | 200 | | | | | | | | | | |
| SECTION (1) EDERENAL TO | 1 1150 | EMML 1 | 78. | | _ | DEPENDENT VARIABLE CP | VARIAB | S
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| X/LT | .ere. | | 1950 | . 2203 | C453. | .e.o. | .3139 | 3490 | 3816 | .4378 | . 5055 | 5736 | 80×0°. | .7385 | .7762 | .0439 |
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| 108.000 | Ä | | | | | 8 6 | | 7 | 9060 | 9260 | -,0099 | 030+ | 0189 | 1010. | <u>6</u> | .0086 |
| 126.000 | 6 | | | | 6 6 | | . C. 45. | 100 | 1053 | 6*00 | 9425 | .0053 | 0092 | £00. | .0123 | .0038 |
| 144.000 | | | | | 96.5 | 9 5 | 1 | 9369 | 0321 | 0.48 | 9910. | .0369 | .0153 | 0032 | . 000. | . 0019 |
| 162.000 | C. | | | | 9 6 | | | 0583 | *000 | 9540 | .0586 | . 0362 | .0082 | 0062 | 0021 | 500 |
| 180.000 | • | | | | 7010 | 20.0 | 9 | 1003 | .0202 | 8710. | .0601 | .0392 | . 0082 | 0017 | 014 | . DOCS |
| 198.000 | • | | | | 200 | 8220 | ₩E00 | .0362 | .050¢ | 0006 | .0146 | .0237 | 000.− | 0041 | 0067 | 0019 |
| 215.000 | • | | | | 0278 | 0180 | 600 | 6.00 | .0036 | .0389 | .0080 | 0107 | 0032 | 0600. | 0021 | 5051 |
| 254.000 | • | | | | 9000 | 8 | 0268 | .1883 | 98 ↑ 1. | .0131 | 0543 | 0360 | 0066 | .0187 | . 0209 | .0131 |
| | • | | | | 910 | 2210 | .0832 | 5387 | 1048 | | 0718 | 6110. | 0134 | .000 | .0022 | +000.− |
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| 288.000 | | | | | 77.10 | 200 | 7150 | .0269 | .0187 | .0509 | .0105 | 0689 | 0238 | 0104 | 0156 | 0058 |
| 305.000 | - | | • | | | 0000 | 2100 | 0336 | 9481 | 1169 | .0019 | 0278 | 040. | 0372 | 0465 | 9107 |
| 354.000 | Ŗ. | | • | | 200 | 6300. | 2120 | 22.5 | 0336 | 1771 | 0271 | .0126 | 6100. | 0394 | 0599 | 0026 |
| 342.000 | 1682. | | - /040. | | 9000 | . E. I. | 100 | 100 | 7440 | 9.9950 | 0186 | 0275 | .0026 | 0144 | 0330 | 0278 |
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|-------------|-----------------------|------------------------------------|----------|--------|-----------|--|------------------|-----------|-------------|------------------|-------------------|---------------------------------------|--------------|-------------------------|----------------|
| | | | | Đ. | C 567(1A) | PEFC 567(1A32F) T9 53/2 53/2 | 3/2 53/2 | 63 | EXTERNAL | TANK | | (RB2T03) | 03) | | |
| HACH (7) | - 2.990 | | BETA (2) | • | 000. | • | 5.1887 | PTA | 30. | 30.014 | •
æ | 4.1200 | \$ | • | .82967 |
| SECTION (| SECTION (I) EXTERNAL | TANK | | | 30/3430 | DEPENDENT VARIABLE | LE CP | | | | | | | | |
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. 0230 | 0338 | .1567 | 0313 | 953 | .0193 | | \$ B. | 0114 |
| 18.000 | | | - 0267 | 0.0 | 0137 | 6400 | .0209 | 33.5 | 9.6 | .0295 | 0590 | 0239 | | 0149 | 0101 |
| 20.00 | | .0614 | 0350 | 0197 | 0142 | 0007 | .0163 | 9100. | .007 | 0261 | 0718 | 0260 | 0660. | .0097 | 0062 |
| 72.000 | .3713 | | 0391 | 0250 | 0142 | 0127 | .258
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| | | | ٠. | 2 | MS-C 36/(18367) 18 35/6 35/6 03 | | 3/56 3/50 | | | | | | | | |
| HACH (7) | • | 2.990 B | BETA (2) | • | .000 | | | | | | | | | | |
| SECTION (| DEXTERNAL TANK | WL TANK | | | DEPENDENT VARIABLE CP | N VARIAE | KE CP | | | | | | | | |
| X/LT | 9116 | .9838 | | | | | | | | | | | | | |
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• | 30.014 | EŁ. | • 4.1200 | ¥S4 | • | œ. |
| SECTION (I) EXTERNAL | 1) EXTER | NAL 1/2K | | | DEPENDENT VARIABLE CP | IT YARIAE | ALE CP | | | | | | | | |
| X/LT | 7570. | 1550 | .0203 | .2347 | .2707 | .3139 | 3499 | .3816 | .4378 | .5055 | .5732 | .6408 | .70 95 | .7762 | |
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| 18.000 | 2890 | 2000 | ¥ 10 | 0056 | .0097 | 7150. | . 035E | 0.0350 | 11/0911 | .0019 | 0278 | 4.00.1 | 0372 | 0465 | • |
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היי היי | 0133 | . 00¢3 | .0217 | . 0269 | .0187 | 9090 | .0105 | 0689 | 0238 | 0104 | 0158 | |
| 72.000 | 3024 | .0392 | | 0140 | 0107 | ₩900. | 11711 | 5110. | 0565 | 0580 | 0133 | 0301 | .0056 | 0002 | + |
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| 108.000 | 3598 | 5170. | | 0226 | 0125 | .0203 | . 1883 | . 1488 | 1510. | , 160
0800. | 0107 | 0032 | 0600. | 0021 | |
| 126.000 | 1165. | | 1.0376 | 0.0350 | 0226 | .003
.003 | .0362 | .0504 | 0006 | .0146 | .0237 | +.000 | 3041 | 0067 | 1 |
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| 180.000 | .5622 | 1749 | | .0026 | 0002 | +000 | 0025 | 0010 | .0468 | .0643 | .0394 | 910. | 0022 | 0108 | |
| 198.000 | .5790 | 198 | 9610. | .0138 | 5110. | 029 | .0369 | .0321 | CB+0. | 9910. | 9950. | 5000 | ¥603. | .0123 | • • |
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| 364.000 | 2 A | 0655 | - 0266 | -,0203 | .0035 | .0136 | 80*0 | .0656 | 1498 | .0378 | 0316 | 0263 | 0137 | .0023 | |
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EXTERNAL TANK

(RB2T03)

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MSFC 567(1A32F) T9 53/2 53/2 03
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| #ACH (8) • | | | ¥ . | •
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| SECTION (1) EXTERNAL TANK | SEXTER | NAL TAN | ¥ | | DEPEN | DEPENDENT VARIABLE CP | RIABLE | გ | | | | | | |
| X/LT | 9116 | 9838 | | | | | | | | | | | | |
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| · | 0016 | .0023 | | | | | | | | | | | | |
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| | 57.10. | .0192 | •- | | | | | | | | | | | |
| | .0060 | .0233 | _ | | | | | | | | | | | |
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| 350.000 | .0380 | 0706 | _ | | | | | | | | | | | |
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|---------------------------|--|------------------|-------------|---|-----------------|---|----------|---------------|----------|-------------|--------------|----------------|----------------|----------------|----------------|
| | | | | HEST | 567 (1A3 | MSFC 587(1A32F) T9 53/2 53/2 03 | 3/2 53/2 | | EXTERNAL | TANK | | (R82T03) | (20 | | |
| MACH (8) | 3,480 | | BETA (2) | • | .000 | | | | | | | | | | |
| SECTION (1) EXTERNAL | DEXTERN | AL TANK | | | DEPENDEN | CEPENDENT VARIABLE | 6
9 | | | | | | | | |
| X/LT | 7570. | .1980 | . 2203 | 7.63. | rora. | 3139 | 346 | 3816 | .4378 | .5035 | .5732 | § | .7085 | 3877. | Pr & |
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| 000 | 0690 | 0483 | | | | | | | | | | | | | |
| 18.000 | .0598 | .0020 | | | | | | | | | | | | | |
| 36.000 | 57.10. | . 84.65
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| 72.000 | .0217 | 620 | | | | | | | | | | | | | |
| 90.000 | .0352 | .0139 | | | | | | | | | | | | | |
| 108.000 | .0209 | .0226 | | | | | | | | | | | | | |
| 126.000 | .0227 | 84E0. | | | | | | | | | | | | | |
| 152.000 | 0000 | .0057 | | | | | | | | | | | | | |
| 180.000 | 0900 | .007 | | | | | | | | | | | | | |
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C | | | | | | | | | | | | | |
| 234.000 | 7220. | 9669. | | | | | | | | | | | | | |
| 276.000 | 0325 | .0139 | | | | | | | | | | | | | |
| 288.000 | | .029 | | | | | | | | | | | | | |
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| 324.000 | | . OG16 | | | | | | | | | | | | | |
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350.000 | 86. 00. | 0483 | | | | | | | | | | | | | |
| MACH (8) | 3.480 | | BETA (3) | | 4.000 | • | 5.6920 | PTA | - 49.739 | 739 | ď | 5.3033 | § | • | .67267 |
| SECTION (1) EXTERNAL | 1)EXTERN | ML TANK | | | NGONGAGO | DEPENDENT VARIABLE | 8 3 | | | | | | | | |
| X/LT | 7570. | . 1350 | .2203 | .2347 | r215. | .3139 | 3498 | 3816 | .4378 | 5053 | 5732 | 6408 | 7085 | .7162 | .8439 |
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| 72.000 | 2662 | 0.840 | 00% | .0037 | 0040 | .0087 | . 1200 | . 0273 | | 6361 | 0125 | 6+:0:- | . 0026 | . 0058 | . 5073 |
| 90.000 | ₩.E. | .0398 | 010 | 9100. | . 0030 | .035 | .6218 | *101· | | 0507 | ₹0. | . 0012 | 6100. | .0117 | . 0073 |

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PAGE 171

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567(1A32F) 19 53/2 53/2 03 EXTERNAL TANK

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| 216.030 | 0971 | - 3604 | . 28. | 1910 | 0620 | 0826 | 1176 | 1256 | 1167 | 0970 | 0476 | 0360 | 0306 | . C. C. |
| 234,633 | 08€0 | 3523 | 2679 | 0929 | 0386 | 1097 | 2155 | 200₹ | 1551 | 1417 | 0458 | 0386 | 0351 | 4.835B |
| 252.030 | 2581 | 3345 | 1616 | 0511 | .0085 | 1099 | 5092 | 3746 | 3158 | 1350 | 0214 | 0214 | 0305 | |
| 270.000 | \$ | 3145 | 1908 | .0707 | .1517 | 149¥. | 2674 | 6135 | | 1899 | 0682 | - 0592 | BC 20. | 2555. |
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| 324,000 | 1086 | 2212 | 1595 | 0620 | .0533 | .086 | . 05¥0 | 0155 | 1926 | 1569 | 1570 | - 1850 | 1123 | |
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TABILATED SOURCE DATA, MSF.C THT 567

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MSFC 567(1A32F) 19 53/2 53/2 03 EXTERNAL TANK

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ğ .708. -.0225 .0156 (RB2T04) 6.5633 6049 .5732 덛 .5055 EXTERNAL TANK 22.003 .4378 .2032 .1716 .1625 .1032 .3816 7 HSFC 567(1A32F) T9 53/2 53/2 03 ₩99 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .3139 rors. 90°. 4.000 **CPES.** BETA (1) . 3 .2203 -.3353 -.3411 -.2337 -.1397 -.1775 -.2833 BETA SECTION (1) EXTERNAL TANK SECTION (1) EXTERNAL TANK .1550 -.0364 -.0061 .0140 .0000 -.0286 -.0724 -.1086 <u>.</u> 86 906 -.0186 -.0281 -.0319 -.0319 -.0319 -.0328 -.1358 -.1358 -.1358 -.2358 .0757 9116 HACH (3) NCH (2) 196.000 196.000 215.000 215.000 234.000 234.000 286.000 389.000 380.000 72.000 96.000 108.000 1186.000 900.P 5 X/LT

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| EXTERNAL TANK | | | | | | | | | | | | | | | | | | | | | | | | . 22.003 | | 525 | | | | | | | - 1584 | | | • | | | | _ | | |
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| MSFC 567(1A32F) 19 53/2 53/2 03 | - 000 · † | DEPENDENT VARIABLE CP | | | | | | | | | | | | | | | | | | | | | | 0 000 | DEPENDENT VARIABLE CP | 179 | | S. | .3339 | 3700 | 26.4 | 60 | 0682 | 1985 | .1751 | . 1239 | .0599 | . 1239 | 1967 1 | | | <u> </u> |
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| | | AL TANK | 85 | | 20 · | 999 | . 1093 | | 286 | .1362 | .0755 | .0317 | 82.0. | 0013 | 500. | 2010. | 265 | | 60 | .0393 | 0479 | 186 | 2941 | | 7. 7.3K | 3 6 6 | | 986 | 0462 | | | | | 2222 | 2398 | | | | | 2222 | 5781. | • |
| | 1.080 | I) EXTERN | 9116. | | | 287 | 9 5 | 50.00 | 27.5 | 0+6 | 8+SI. | . 1225 | | | n c | | - 6 | 201. | 1713 | 6951 | | - | | 1.050 | 1) EXTERN | .0787 | | S | ££. | . 42 IS | 5 EF /F | 2000 | | | | | | | | | £ 2 | _ |
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13.000 | 40 CD | 108.000 | 126.003 | 144.000 | 162.000 | 183.000 | 198.000 | 216.000 | 254. COU | 370 000 | ממט שמל | 375.030 | 324.000 | 342.030 | 353.000 | MACH (3) | SECTION (DEXTERNAL | X/LT | Ē | 000 | 10.000 | 36.000 | 8 . Gg | 90.00 | מים מינ | 25.000 | 000.443 | 162.030 | 180.003 | 199.000 | P15.000 | 23- , 000 | 252.088
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MSFC 56711A32F1 T9 53/2 53/2 03 EXTERNAL TANK

(RB2T0+)

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| | DEPENDENT VARIABLE CP | .3139 | . 3654.
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| BETA (2) | | .2203 | - 1769
- 2040
- 2533
- 2936
- 2435 | | | | | | | | | | | | | | | | | | | | | BETA (3) | u | .2203 | | 2229 | | | | | |
| 1.050 B | UL TANK | . 1350 | 1275
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0402 | .9836 | | 6250 | . 285.
128. | 688 | .1616 | .085 | 1011 | 200 | 57.10. | .0108 | .0172 | .0315 | 0690 | | 1616 | 60 | 0567 | 2851 | - 800
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| | DEXTER | 7570. | 3478
3813
4215
7744. | 9116 | | .2828 | . 2278
 | 1736 | 1957 | .2170 | . 1676 | | . 1133 | . 1123 | .1133 | 28 | | . ב | 7601 | 1736 | 1921 | .2278 | .2826 | | DEXTER | .0757 | | 6.533 | 1661 | E1-46 | 2913 | 900 | 1989 |
| MACH (3) • | SECTION (1) EXTERNAL TANK | X/LT | PH1
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305.000
372.000
350.000
378.000 | X/LT | æ | .000 | 18.000 | 96.000 | 72.000 | 90.000 | 108.000 | 125.000 | 162.000 | 180.000 | 198.000 | 215.000 | 234.000 | 200.000 | 200.000 | 305,000 | 324.000 | 342.000 | 360.000 | MACH (3) | SECTION (1) EXTERNAL TANK | X/LT | ě | Ē | 000.81 | 36,000 | 000 | 72.000 | 90.000 |

(AB2104)

8.E.

EXTERNAL TANK HEFC 567(1A32F) T9 53/2 53/2 03

| MACH (3) . | | 1.050 8 | BETA (3) - | | \$.000 | | | | | | | | | |
|----------------------------|---------------|----------|------------|----------|-----------------------|---------------|--------|---------|--------|-------|---------|--------|--------------------|----|
| SECTION (1) EXTERNAL TANK | DEXTER | HAL TANK | | | DEPENDENT VARIABLE CP | IT VARIA | BLE CP | | | | | | | |
| X/LT | CET 0. | .1380 | .2203 | .23v7 | . 2707 | .3139 | .3499 | 3816 | .4378 | .5055 | .5732 | . 6¥08 | .7085 | 1. |
| i Ha | Į. | 6 | 4 | 800 | | 96 | 1960 | 9869 | . 650 | 3867 | \$ 68°. | 998 | 0133 | ٦ |
| 126.000 | 572 | 2815 | 88 | 0396 | 1626 | 1905 | .0013 | .3750 | 1875 | 3193 | +060 | 0539 | 0253 | ٦ |
| 140.000 | 1650 | - 29±9 | .3397 | 1887 | | .1862 | 525 | - 100 · | 1630 | 297. | 0696 | 0368 | 0248 | ٦ |
| 162.000 | 1686 | 2817 | 3176 | 2125 | • | 585 | .0364 | 0226 | 2079 | 2591 | 0780 | 0346 | 0299 | ٠. |
| 180.003 | . 1823 | 2717 | 3460 | 2371 | · | . 1403 | .0583 | 0119 | 2283 | 2459 | 0853 | 923 | 0378 | _ |
| 199.000 | .2079 | 2516 | .4991 | 1995 | · | .1267 | .0985 | 1013 | 1962 | 2317 | B944 | 0813 | 048 | ٠ |
| 216.000 | .258 | 2123 | 4922 | 2132 | • | ₹ <u>0</u> 1. | 0201 | 2353 | 1662 | 2178 | 1115 | 0825 | - 0 4 0 | ب |
| 234.000 | 3043 | 1657 | 4096 | 0838 | • | .1006 | 0912 | - 4985 | 2371 | 2490 | 1105 | 0423 | 0225 | ب |
| 252.000 | .3601 | 1086 | 2833 | .0687 | • | .1749 | 1210 | 6721 | 4285 | 3857 | 08± | 0466 | 0133 | ٠ |
| 270.000 | .4056 | 0724 | 1775 | <u>.</u> | Ī | .4765 | . 3655 | 6519 | | 3557 | 1214 | 1067 | 0122 | ٠ |
| 288.000 | 3+8+· | 0286 | 1997 | .0103 | ٠ | .5304 | 3428 | 3905 | . 1032 | 1155 | 0883 | 2296 | 0158 | - |
| 306.000 | 4889 | .0000 | 2337 | .1588 | ٠ | <u> </u> | . 3063 | . 0505 | . 1625 | 1337 | 1233 | . 2358 | 0122 | • |
| 324.000 | .5035 | 0416. | 2805 | . 1234 | · | .4120 | 38+5 | . 3063 | .1716 | 1937 | - 1958 | 1622 | .002 | 7 |
| 342.000 | .4876 | 0061 | - W- | .0712 | • | <u>.</u> | .4738 | .4310 | .2032 | 3742 | - WOFF | 1573 | .0156 | 7 |
| 350.000 | .4533 | 0525 | 2229 | 1474 | • | ÷399 | . 5086 | . 4593 | 9.9990 | 6067 | 1957 | 1908 | 0262 | -: |
| 378.000 | | | | | | | | | 1903 | | | | | |

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| CTT LIECTIFALM, TANK CEPCLOCAT VANIAGE CP CTT | CA) HOW | • | | - | • | | • | 9.2790 | PTA | | 200 <u>.</u> | | | ₹. | | . 5363 |
| Column | SECTION (| DEXTER | WL TANK | | | DEPENDEN | | | | | | | | | | |
| 1869 | X/LT | 7670. | . 138 | .2203 | .2347 | coca. | .3139 | .3488 | 3816 | .4378 | .5035 | .5732 | 6408 | .7085 | 3911. | 9 . |
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| 000 9999 - 1077 - 1089 - 1079 - 1079 | 18.000 | 196C | 2 | 1/33. | 2000 | 901 | 2 | 4718 | 30 | 8 | 1550 | 0550 | | | . 0888 | 9 |
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| 000 | 180.000 | 56.5 | F : 1 : | | 16/6 | 0000 | 96.90 | 6 | 1208 | 0657 | 1.1944 | 1645 | .007 | | 0215 | 0257 |
| 000 | 196.000 | .268 | 1510 | | 301 | 3000 | 9000 | | 9150 | 0330 | 1000 | +160 | 0000 | | 0319 | 02vB |
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(RB270+)

EXTERNAL TANK MSFC 567(1A32F) TB 53/2 53/2 03

DEPENDENT VARIABLE CP \$.000 . ñ . 32: HACK CAS

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-.030. -.029. -.029. -.030. -.030. -.030. -.0293 -.0163 -.0163 -.027--. 1566 -. 0856 -. 0321 -. 0353 -.9!%2 -.0093 -.0537 -.0057 -.0183 -.023 -.03 .001. -.0370 -.31%-..0012 -.0753 *180.-8400.-8700.-8700.--.0E03 -.0101 -.0676 -.0447 .0326 -.0767 - .0615 - .1047 - .0649 - .0445 - .0445 - .0363 - .0326 .0376 .0379. .0099 .0898 -.0542 -.0390 .0642 .0571 -.1329 -.0808 -.0652 -.1509 -.2036 -.1397 -.0500 -.3150 -.2387 -.1132 -.1663 -.1202 -.1335 -.1205 -.1481 -.2386 -.2606 .1612 -.011 -.2606 -. 1557 31.82 32.82 32.93 32.93 -.2933 -.287v -.0835 .0281 -.4080 - 1023 - 1023 - 3427 -.4513 -.2190 -.0599 . 1849 1847 1849 1849 1849 1849 1849 1849 -.0195 1211. 9201. . 1225 -. 1225 -. 4305 -. 3364 90.00 90 -.1009 -.0918 -.0739 -.0386 -.0388 -. 1936 -.0874 -.0902 - : iga7 -.2140 -.2110 - 1971 . 196 -.1131 -.1280 -.1776 -.2057 -.22*5 -. 2373 -. 2226 -. 1972 - 3 24.5. 27.5. 24.5. 24.5. 24.5. 25.5. 26.5. 13%2 13%2 13%3 12%3 12%3 10%0 10%0 10%0 10%0 -.0+93 -.0628 -.0597 -.0577 -.058* -.0445 988. 988. 978. 978. 1188. 1188. 1188. 1189. 1189. 1189. 18.000 18.000 19.000 10.000

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EXTERNAL TANK HSFC 557(1A32F) TO 53/2 53/2 03

T. -. 0326 -. 0766 -. 0684 -.0695 -.0699 -.0832 -.1368 -.1566 6.3713 1920. - 0840. - 0890. - 0890. - 0890. . 7763 ...375 ...375 ...383 7180 ž -.0786 -.0920 -.0509 -.0706 -.0736 -.0598 .7085 -.0685 -.0967 -.1179 -.1184 -.0603 .7085 (RB210+) 6.5300 . 05.09 . 06.39 . 06.39 . 0300 6046 .0221 .0163 -.0563 -.0105 6400 .0788 .0638 .0568 -.0277 -.1223 .5732 -.0106 -.0106 -.0106 -.0542 .5732 ď . 25613 - . 2613 - . 1485 - . 0950 - . 0208 - . 2588 800 -.0628 -.1417 -.1964 -.3038 -.3150 5655 22.010 .4378 2948 1919 2958 2952 .3438 .2695. 1341. 1302. 9.9990 .437B 3816 .3099 .3012 .4953 .6918 PTA .3816 8 Å 3442 3867 3873 4039 6019 6888 .3397 .3397 .3397 .3716 88.A. DEPENDENT VARIABLE CP DEPENDENT VANIABLE CP 3180 2925. 2909. 2009. 2009. 2009. 2009. 2009. 2009. 2009. 2009. 2009. 2009. 2009. 3139 .3610 .2372 .775 .1678 .9432 **2707** -.100* -.1012 -.0891 -.1233 -.0926 -.1351 -.1523 -.1155 ers. 80. Les. -.1280 -.2025 -.1817 -.1478 C.63. . (ETA (2) BETA (1) -.1660 -.1649 -.2203 2203 -. 1478 -. 1963 . 223 . . . 223 . . . 1923 . . . 1653 . . . 1653 . ;203 SECTION (1) EXTERNAL TANK . 385 .1163 .0972 .0972 .0582 .0379 .1210 .2148 .2906 .-0508 .0833 .0178 .0178 -.0812 -.2331 -.2337 -.002-0310 .0363 .0969 .0990 . 36 88. -.2337 - £ .. 2003 SECTION (1) EXTERNAL .0757 9590 9393 9393 9667 1750. 1750. 1671. 1680. . 1690 . 1473 25.55 25.55 25.55 25.55 25.55 7579 * (S) HOW PACH C 50 7H1 228.000 306.000 324.000 342.000 360.000 378.000 18.000 18.000 19.000 10.000 10.000 11.000 18.000 36.000 34.000 72.000 000 Ŧ X/LT X/LT XZZ

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TABLATED SOUNCE DATA, MSFC TMF 967 (1A38F)

| EXTERNAL TANK (RB2T0+) | | | 8 . 5055 . 5732 . 6408 . 7085 . 7752 . 8439 | | - 21560321012902310231 | 16-1 0000 04-0 00-0 1881 | 0030. 1030. 0000. 0000. 0351 | /cco. e30. alab c41 7001 | 7100 0000 3130 Earl Coo. | - 100/ - 1408 - 10810 - 10861 | 15-0 - 3650 - 6-60 - 6- | 0920:- 9520:- 6510:- 1650:- 9516:- | - 2528 - 1027 - 10300 - 10598 - 10527 | .02081223060905780970 | 0950 0277 .02410706 0898 | 1485 .0568008005090852 | 0.5005001390950540 | 902903 .0788 .0429078605210756 | 0 | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|--------------|--------------------------|---|---|------------------------|--------------------------|------------------------------|--------------------------|--------------------------|---|--|------------------------------------|---------------------------------------|-----------------------|--------------------------|------------------------|--------------------|--------------------------------|----------|-------|---|-------------|--------|--------|----------|--------|----------|---------|-------------|---------------|---------|--------------|-------------|---------|---------|---------|---------|---------|---------|
| | | გ | 3754. 3816 . 4378 | | 男子. | 1457 | 0077 | .0731 | 1380 | 18/0. | ECCI - //DO:- /#11. | 1041 | | | 3197 | 5644 | 8474. | 3442 .6231 9.990 | 8462. | | | | | | | | | | | | | | | | | | | | |
| HSFC 567(1A32F) T9 53/2 53/2 03 | 000. | DEPENDENT VARIABLE | E. 8E1E. 1075. | | 2943 | . 9 | 0946 | 1158 | 1603 | 1158 | 9460 | 160 | 500 | 1334 . DC73 . | | 2809 | . 2907 | . 2915 | | | | | | | | | | | | | | | | | | | | | |
| HSFC | . • (2) • T3 | | 7-52. 5035. | | - 25 25. | 25432398 | £498 | 9152:- 1 | - 255
- | 2518 | . 29 | . 35. | - 1. E. | 2203 | 2 - : £051 - : 1/16 | 1690 | 1543 | 1478 | 1 | ED. | | 6 | | - · | D •• | | C | ou 1 | 19 | • • | • | • | പ | æ | • | | • | _ | _ |
| 2 | 1.450 | SECTION (DEXTERNAL TANK | 0551. 7570. | | . 3787 . 0069 | .35360122 | | | | | | .3556 0122 | .3787 .0069 | | | 2000. 1084. | _ | - | | 9116. | | 2882 - 2589 | | • | 851 SOUL | | | | 50CO. C50O. | 7000 - 7000 - | | .0020 . 0503 | .0356 .0963 | | | | | | 2189 |
| | MACH (5) | SECTION (| X/LT | ã | 108.000 | 126.000 | 144.000 | 162.000 | 193.000 | 158.000 | 215.030 | 234.000 | 252.030 | 273.000 | 288.000 | 325.000 | 300 CME | 350.375 | 379.000 | X/LT | Ē | 000 | 18.000 | 35.000 | 900 to | 90.000 | 108.000 | 125.000 | 144.000 | 187.000 | 199.000 | 215.000 | 23+.000 | 252.000 | 270,000 | 000 662 | 306.000 | 324.200 | 200 612 |

(RB2T04)

| (1A32F) | EXTERNAL TANK |
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| TABULATED SOURCE DATA, MSFC THT 567 (1A32F) | MSFC 56711A32F) T9 53/2 53/2 03 |

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| , | | £. | 1277 | 1383 | | 1310 | | | | |
8 | | 9200. | 91.0 | 0370 | 0537 | 5500 | 8 6 | 36.6 | X t | C (2) |) in the second | | (10) | | | | | | | | | | | | | | | | | | | | | | |
| | | .7085 | 2880 | | | | | | | | | 5073 | _ | | | | | | | 05/0 | | | | - : : : : : : : : : : : : : : : : : : : | | | | | | | | | | | | | | | | | | | | | | |
| 966.9 | | 6408 | .0371 | | | | | | | | | Q | - 6 <u>7</u> 6 | 1150 | - 1947 | 0615 | 0757 | 0350 | 7 | 9680 | 6600 | - 0450 | 9000 | .0371 | | | | | | | | | | | | | | | | | | | | | | |
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Ž | | .572 | 92.10 | 9710 | 90.0 | | | 1 70 I | 1123 | 0979 | 0500 | 1397 | 2038 | 1571 | 0912 | 0652 | 075¢ | 0979 | - 1329 | 0571 | 0425 | 6490 | 0390 | .0176 | | | | | | | | | | | | | | | | | | | | | | |
| 010.22 | | . 5055 | a
a | PZ UZ - | 300 | 5 | 141. | 052 8 | 2711 | 2267 | 2386 | 1481 | 1205 | 1269 | 1202 | 1665 | 1557 | 2267 | - 10±0 | . 1612 | 011 | -: 35 | 2387 | 3232 | | | | | | | | | | | | | | | | | | | | | | |
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G | 開売・ | | 3427 | . 1023 | 1024 | .0183 | .0473 | 0835 | 287 | 2733 | 4080 | | 239 | Š
X | 3195 | 14. | 9.9990 | . 1302 | | | | | | | | | | | | | | | | | | | | | |
| <u> </u> | | .3916 | 2033 | | 200 | 3155 | .3099 | 0910 | 336t | 4305 | 1225 | Ž, | .1052 | . 1220 | 0195 | 0599 | 2190 | 4513 | 3514 | 1843 | ζ.
Σ. | . 1 958 | .6345 | .6673 | | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | LE CP | ₩. | 100 | 2021 | 5/10 | , ec | .£768 | .6051 | .6795 | .1396 | .0772 | .0628 | 0036 | .0146 | .0534 | 0109 | 0 <u>+</u> 0 | 149 | ₹ 69 . | . 5522 | 9044. | 926 4 . | .460 6 | .4265 | | | | | | | | | | | | | | | | | | | | | | |
| • | DEPENDENT VARIABLE | .3139 | ć | 200. | P/91 | Z. | .2372 | .3610 | .5704 | 5015. | 1062 | 0563 | 1467 | 1689 | 1170 | 0113 | .0837 | 2863 | .6170 | 5795 | .3208 | .0613 | .0146 | .0212 | | | | | | | | | | | | | | | | | | | • | | | |
| ¢.000.⊁ | GOV3430 | .2707 | į | 5 | 2 | 1523 | 1351 | 0926 | 0902 | 087 | 1936 | 1971 | 1961 | 2004 | 2140 | 1990 | 1647 | 0583 | <u> </u> | 0386 | 0739 | 0696 | 0918 | 080⁴ | | | | | | | | | | | | | | | | | | | | | | |
| • | | 7.65. | | - 131¢ | 1478 | 1817 |
2023. | 1943 | 1972 | 2226 | - 2373 | 2370 | 239 | 244B | 2393 | 2245 | 2067 | 1775 | 1501 | 1943 | 1131 | 1104 | 1269 | 1314 | | | | | | | | | | | | | | | | | | | | | | |
| BETA (3) | ٠ | .2203 | ; | - 1753 | - 1653 | 1923 | 2237 | 682 | -, 2233 | 2866 | 269 | 8 | 288 | . y. | ある。 | 2371 | 2149 | - 185g | 1546 | 1337 | 1270 | 1222 | 1351 | 1453 | | | | | | | | | | | | | | | | | | | | | | |
| | AL TANK | .1550 | | <u> </u> | 6.
6. | .0563 | .0310 | 502 | 0120 | 548 | 4 | 1290 | 0597 | 9460 | 0493 | 0256 | .0115 | .360 | 680 | 1233 | . 1423 | 1456 | .1342 | 1110 | | .9838 | | | 1962 | 1653. | 300 | 378 | .0293 | 9060 | .0705 | . O+45 | .0367 | , 0151 | .0178 | . O. 4. | .0759 | 9060 | - 55
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| 1.460 | DEXTERN | 7570. | | EFE: | 5243 | 357.4. | . 185 | | | | | | 8 | 808 | 0 m | 3736 | ある | ₩. | \$105 | 196 | STS. | 6049 | 585 | 577.5 | | 31:6. | | • | 2 S | | 18.73 | 1600 | 1690 | .0800 | 0250 | .0056 | -, 6003 | 0167 | 0361 | 0353 | 6 6. | ۰
خ | - | .0718 | 17.30 | e e |
| FUCH (5) | SECTION (1) EXTERNAL TANK | X/LT | æ | 8 | 18.000 | 36.700 | 35,000 | 000 67 | 20.00 | 96.00 | 99.90 | 100.000 | | 190 000 | | 216.000 | 234.000 | 252.000 | 272.000 | 286.000 | 305.000 | 324.000 | 342.000 | 250 000 | 378.030 | X/LT | į | Ē | 9 | 000 A1 | 9.00 | 27.500 | 90.00 | 108.000 | 126.000 | 144.600 | 162.000 | 190.000 | 199.030 | 216.000 | 234.000 | 252.000 | 270.000 | 298.000 | 308.000 | 475 |

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(482704) EXTERNAL TANK HSFC 567(1A32F) TO 53/2 53/2 03 8 ê 3. HYCH (S) .

DEFENDENT VARIABLE CP

SECTION ! DESTENDE TANK

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20.1. 8 8 DEPENDENT VARIABLE CP -.0178 .0281 .0459 .0454 .4754 .3139 4900 - 10900 -- .036; - .0115 - .0039 - .0039 - .036 - .036 - .036 -.1133 .2707 -.1106 -. 1810 -.1167 - ... - 1349 - 1287 ...1200 ...0380 ...0961 ...0944 -.027* -.0380 -.050* -.0732 - 1303 - 139 CAES. -. 1412 -.11.7 ..0880 ...07.0.. ...05.0.. -.1125 -.0916 -.0776 -.0483 .2203 -. 1433 -.083 -.0323 - : : - 132 4525. 5252. 5252. 5115. 5115. 5115. 5120. 51 SECTION I DEXTERNAL TANK . 386 .075C . 000 9 35. 000 18. 000 9 4. 000 9 9. 000 100 000 1 X/LT

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VARIABLE CP THEPENDENT SECTION (1) EXTERNAL TANK

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(RB2T04)

HSFC 567(1A32F) 19 53/2 53/2 03 EXTERNAL TANK

4.000

BETA (3) .

HACH (6) ● 1.960

| x/LT .07 | | | | | | | | | | | | | | | |
|-----------------------|---------|--------|--------|-------|--------------------|----------|--------|-----------|----------|--------|--------|--------|---------------|-------|----------|
| | .0757 | .1550 | .2203 | .2347 | coca. | .3139 | £. | .3816 | .4378 | 5055 | .5732 | .6408 | .7085 | .7762 | 9 |
| Œ | | | | | | | | | | | | | | | |
| 288.000 | 5005 | | SER | 1167 | .00g | £02. | .75 | .0270 | 0573 | 1840 | .1335 | .0447 | .0746 | .0315 | .0583 |
| 306.000 | .6155 | | 0247 | 0274 | . 0039 | 949. | .2028 | 28 | ٠
1 | .0780 | .079¥ | .0930 | .0126 | .0722 | .0552 |
| 324.000 .63 | | | 0089 | 0130 | 0062 | 9459 | .1766 | .2896 | .4737 | .0500 | 0365 | .0168 | 150° | .0826 | 2.
2. |
| 342.000 .62 | | | 0198 | 0259 | 0115 | .0281 | .1975 | .4032 | .5269 | 0811 | 0958 | 9960 | 3 | .0632 | -000 |
| | .5877 | 1756 | 0293 | 0364 | 0240 | .0228 | . 1922 | . 3869 | 9.9990 | - 1945 | 5750. | 1005 | ₹60 | 6.0 | 0363 |
| | | | | | | | | | . 2950 | | | | | ! | |
| X/LT .91 | 9116 | .9836 | | | | | | | | | | | | | |
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| 000 | - 1105. | - 178 | | | | | | | | | | | | | |
| 18.000 | | 1771 | | | | | | | | | | | | | |
| | _ | 0809 | | | | | | | | | | | | | |
| ' | | 9489 | | | | | | | | | | | | | |
| | | .0383 | | | | | | | | | | | | | |
| | ٠ | 0352 | | | | | | | | | | | | | |
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| | | 95.00 | | | | | | | | | | | | | |
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| | | 0073 | | | | | | | | | | | | | |
| • | | 6000 | | | | | | | | | | | | | |
| | | 5135 | | | | | | | | | | | | | |
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| _ | | 0006 | | | | | | | | | | | | | |
| 360.000 . £011 | | - 1764 | | | | | | | | | | | | | |
| MCH (7) - | 2.990 | BETA | | | o 000·↑ | • | 5.1873 | PTA | - 30.007 | | •
æ | 4.1200 | \$ | • | .62900 |
| SECTION (1) EXTERNAL | TERNAL | TANK | | - | DEPENDENT VARIABLE | T VARIAB | רב נש | | | | | | | | |
| X/LT .0757 | | . 1550 | . 2203 | .2347 | .e707 | .3139 | 3499 | .3916 | .4378 | . 5055 | 5735 | .640B | .7085 | .7762 | 8 |
| æ | | | | | | | | | | | | | | | |
| 000 | | .1756 | . 0203 | .0287 | .0325 | .0235 | .028 | . 2069 | | 0144 | 9800 | 0.40 | .0597 | .0250 | .0403 |
| 18.000 .5860 | | .2048 | .020 | .0233 | .0259 | 6520 | .0222 | 8 | .4210 | .0177 | .0067 | 67.10 | 7.42 | 0990 | 0757 |
| | | .221 | .0220 | | 0258 | 0281 | 5773 | 2 | 7407 | 7.7 | 0320 | 1000 | 25.22 | 1 | 0.00 |
| | | 2005 | .0176 | .0205 | .02P | .0269 | 1342 | 1078 | 1939 | 1383 | 950 | 0567 | . 6585
888 | | BC10 |
| | | | | - | | | | | | 1 1 1 | • | | , | | |
| | | | | / | | 1927 | | 7 | | - 0005 | 0000 | 1053 | 94.0 | TACC. | 0250 |

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MSFC 567(1A32F) T9 53/2 53/2 03 EXTERNAL TANK

BETA (1) . -4.000 2.990 MACH (7) *

| SECTION (1) EXTERNAL | 1) EXTER | W. TANK | | | DEPENDE | DEPENDENT VARIABLE | BLE CP | | | | | | | | |
|-----------------------|----------------|------------------|--------|---------------|---------|--------------------|---------------|----------------|----------|------------|--------------|----------|--------|--------|---|
| X/LT | 7570. | .1930 | .2203 | .2347 | .e707 | 3139 | £. | .3816 | .4378 | . 5055 | .5732 | 80
80 | .7085 | .7762 | 9. 39 |
| ₹ | | | | | | | | | į | | | į | Č | Ş | 9350 |
| 109.000 | ₹09 * | . 1339 | 0260 | 0204 | 0118 | 9410. | 2755 | 90.20 | 1031 | 0680 | 1039 | D 1 | | | 10 to |
| 125.000 | .40 5 6 | .0877 | 913 | 0357 | 0293 | 0189 | 0181 | .07£7 | 6629 | 0916 | - G | 0808 | 9 | - COD. | |
| 144,000 | 3598 | .0720 | 0562 | . 2 95 | 0461 | 0226 | ₹10 | 0334 | 0513 | 0838 | - 0838 | - · 0044 | . 03. | 0 . | 0550 |
| 182 003 | 0125 | 0500 | 0573 | 0599 | 0550 | 0256 | 0237 | 0413 | 0603 | 0528 | 022€ | 0563 | 6. | 0518 | 6.53. |
| 000 001 | Look | 1020 | 1920 | 0555 | 0536 | 0316 | - 9435 | 0297 | 0088 | 0211 | 0234 | 0445 | - 0498 | 0551 | 0367 |
| 000 | 25.6 | | 0759 | - 0581 | -,0509 | 0405 | 0405 | 0267 | 0178 | 0129 | 0293 | 0450 | 0476 | 9420 | 2 |
| 000 mm | 4 5 | 1 | 9160 | CAAO. | - 0483 | 9140- | 0327 | 0427 | 0610 | 0446 | 0413 | 0472 | 0532 | 6610 | ·
多 |
| 800.000
000.000 | 6000 | | 0000 | 900 | 1 | 10.10 | - 0465 | - 0200 | .0584 | 0867 | 0785 | 0882 | 0673 | 5420 | 0398 |
| 234.000 | 2003 | . ניטח.
מיטח. | 0/50 | | 100 | 0.767 | 1201 | 1700 | 1000 | - CABB | 1039 | 6+60 | 0603 | 9±39 | 0359 |
| 252.038 | 2893 | £550. | 7/00'- | ההיים: | 0.60 | 0.00 | 9003 | 1365 | | 8070 | 0017 | 0569 | 0565 | 1.0144 | 0357 |
| 270.088 | 3038 | 150. | 0353 | U339 | 0316 | 11.00 | 96.00 | 2 6 | Š | 9010 | 74 | 0056 | - DAFE | .0377 | 0349 |
| 289.000 | .3502 | .0716 | 0451 | .0097 | 0263 | C+00. | ָהָ
מְּיִּ | . 1945
1945 | | D 0 | | 200 | 900 | 1 | 8 |
| 305.000 | ¥038 | 2860. | 0330 | 0278 | 0230 | .0071 | .0538 | .0783 | 5 5 | . 1649 | 2000. | C 1550 | 0000 | 5 6 | 1916 |
| 324.055 | .4601 | 1301 | ₹10:- | 0122 | 0096 | .0056 | .0481 | . 1700 | S | Ván. | 0910 | rcco. | 3000. | 200 | |
| 342,030 | \$01S. | <u></u> | 0002 | .0026 | .0086 | . 0052 | .0131 | . 1827 | . 3822 | 033B | B 0 : | 180 | occo. | | 50.0 |
| 380.000 | .573¥ | .1756 | . 0205 | . 0287 | .0325 | .0235 | .0284 | -2069 | 9.9990 | \$ 10
- | .0086 | 0.70 | .0597 | . מללט | 575. |
| 379 030 | | | | | | | | | .4210 | | | | | | |
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| X/LT | 9116. | .9836 | | | | | | | | | | | | | |
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| .000 | .0623 | 1136 | | | | | | | | | | | | | |
| 18.000 | 1790. | .0925 | | | | | | | | | | | | | |
| 36.000 | 9890 | .1365 | | | | | | | | | | | | | |
| 54.000 | .0615 | . 1477 | | | | | | | | | | | | | |
| 72.005 | .0381 | .0332 | | | | | | | | | | | | | |
| 90.000 | .0336 | 0245 | | | | | | | | | | | | | |
| 108.000 | 0630. | . 0026 | | | | | | | | | | | | | |
| 125.000 | 0133 | 0043 | | | | | | | | | | | | | |
| 144.000 | 0472 | 0267 | | | | | | | | | | | | | |
| 162.000 | ある。 | 0358 | | | | | | | | | | | | | |
| 180.000 | e6+0 | 0372 | | | | | | | | | | | | | |
| 199.000 | 0372 | 0248 | | | | | | | | | | | | | |
| 216.000 | 0230 | 007 | | | | | | | | | | | | | |
| 234.000 | 0070 | . 0209 | | | | | | | | | | | | | |
| 252.000 | 0600. | .0026 | | | | | | | | | | | | | |
| 270.600 | .0205 | 0330 | | | | | | | | | | | | | |
| 269.000 | .0235 | .047 | | | | | | | | | | | | | |
| 306.000 | 9,10. | .0731 | | | | | | | | | | | | | |
| 324, 300 | 610 | 0140 | | | | | | | | | | | | | |
| 342.000 | 0287 | .0495 | | | | | | | | | | | | | |
| | 0523 | 1136 | | | | | | | | | | | | | |
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(RB2T04)

MSFC 56711A32F) 19 53/2 53/2 03 EXTERNAL TANK

.82900 ž 4.1200 덛 30.007 PTA 5.1873 900. BETA (2) : 2.990 MACH (7) •

| | | 3 | | | | | | | | | | | | | |
|--------------------------|----------------|---------|--------|--------|-----------------------|----------|-----------|--------|--------|--------|--------|---------|--------|-------|----------|
| SECTION (1) EXTERNAL TA | DEXTERN | AL TANK | | | DEPENDENT VARIABLE CP | r VAR1AB | LE CP | | | | | | | | |
| X/LT | 7670. | . 1350 | .2203 | .2347 | .2707 | .3139 | 3499 | 3016 | .4378 | . 5055 | .5732 | .6408 | .7085 | .7762 | . 8439 |
| æ | , | | | 1 | 8 | ě | 1000 | 77.10 | | #E00 | .0463 | .1313 | | | .0518 |
| 000 | | | | , co | בייום | 5 6 | 5.00 | 200 | 4330 | 0266 | .028 | .1070 | | | .0369 |
| 19.000 | | | | 4000 | 1100 | 200 | 100 | 1958 | 2085 | .1027 | 0025 | 96+0. | . 0929 | .0410 | .0299 |
| 36.000 | C S | 00.4 | 0 | 2000 | - 0083 | 0176 | 1980 | .0813 | 2949 | 1427 | .0060 | .0395 | | | .0332 |
| 34.000 | טרטי.
סרטיי | 7 12 1 | 100- | 9120 | 016 | 7520 | .3767 | 161. | .0548 | 0007 | .1096 | .0533 | | | . 0500 |
| 000.00 | | 3 | 68 | 0355 | 021 | 233 | .5830 | . 1632 | | 0757 | .00 | 0334 | | | .0111 |
| | | 3 | 6.40 | 6440 | 0322 | -010 | 2244 | .0267 | 0986 | 0852 | 0953 | - 00800 | | | . CO 15 |
| 100.000 | | 38 | 67.5 | 953 | 19.57 | 0319 | 0185 | .0500 | 0472 | 0849 | 0815 | 0726 | | | S. S. S. |
| 200.031 | 1 | 2 | 92.50 | 0580 | - 0506 | 0364 | 0174 | 0256 | 0327 | 0595 | 0610 | - 0445 | | | . 0330 |
| 0,0 | 2007 | 8 | 8 | 653 | - 0539 | 0368 | 0140 | 9230 | 0293 | 0096 | 9600 | 0327 | | | . 9435 |
| 100 000 | 2002. | 9 | 0610 | 0.0640 | - 0562 | .0390 | 0282 | 0166 | .0120 | .0127 | 0092 | 0245 | | | 9.
5. |
| 200.001 | 2002 | 8 8 | 92 | - 0625 | 0539 | 0368 | 0140 | 0230 | 0293 | 0096 | -,0096 | 0327 | | | 0435 |
| 218.000 | 300 | 550 | 0536 | 0580 | 0506 | 0364 | 0174 | 0256 | 0327 | 0595 | 0610 | 0445 | | | 0330 |
| 234 000 | 4400 | 1990 | 0472 | 052 | 1.0427 | 0319 | 0185 | .0500 | 0472 | 0849 | 0815 | 0726 | | | . 2133 |
| 255.000 | 3737 | .0867 | 21.0 | 6440 | -,0322 | 018¥ | .224
4 | .0267 | 0986 | 0852 | 0953 | - 0800 | | | . 0015 |
| 270.000 | 1804 | 1051 | - 0295 | 0355 | 0214 | .2354 | .5830 | . 1632 | | 0757 | .00 | 0334 | | | |
| 280.000 | 5154 | 1317 | 0153 | 0216 | 016 | .0257 | .3767 | 11971 | 9750. | -,0007 | .1096 | .0533 | | | . 0500 |
| 200.000
205.000 | 8583 | 5 | 00% | 0102 | 0083 | 92.01 | 1980. | .0813 | 2949 | . 1427 | .0000 | .0395 | | | .0332 |
| 20.000 | 986 | 250 | 200 | 0000 | 4100 | .0032 | .0554 | .1958 | . 2085 | . 1027 | 0025 | 9640. | | | .0299 |
| 35.000 | 200 | 9 | 9165 | 100 | 7410 | ₩600° | .0277 | .2052 | .4330 | 0266 | .0284 | . 1070 | | | .0365 |
| 350 000 | 639 | 180 | 0297 | .0237 | 24.00 | .020 | . 0293 | .2137 | 9.9990 | 0034 | .0463 | .1313 | | | .0518 |
| 378.000 | | | | | | | | | .4330 | | | | | | |
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.9836 X/LT

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MSFC 967(1A3EF) TB \$3/2 53/2 03

SECTION (1) EXTERNAL TANK

¥/LT

VARIABLE CP

DEPENDENT

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MCH (7)

- .0388 - .0964 . 0310 0750 342.000 350.000 Ē

ž 4.1200 본 30.007 7 . 90. BETA (3) • MACH (7)

DEPENDENT VARIABLE CP SECTION I DENTERNAL TANK

.7182 . 2867. .5732 8698 **675**4. 3816 84 3139 m. 7.53. 2203 1350 7570

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1919. 1700. 1700. 1365. 1000. 910. 10131. 9481. 9683. 9084. 1031. 10 9000. 1700. 1700. 1511. 9250. 92000. 9200. 9200. 9200. 9200. 9200. 9200. 9200. 9200. 92000. 9200. 9200. 9200. 9200. 9200. 9200. 9200. 9200. 92000. 9200. 9200. 9200. 9200. 9200. 9200. 9200. 9200. 92000. 9200.

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TABLATED BOLNCE DATA, HOFC THT BOT (TABLE)

TAK MSC 987(1A38F) 18 83/8 83/2 03 US EXTERNAL

DEPENDENT VARIABLE IN 9.000 ALPHA C 13 • SECTION (1) EXTERNAL TANK 8 *YCH (1) *

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DEPENDENT VARIABLE CP SECTION (1) EXTERNAL TANK

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-.0250 -.0459 -.0165 -.0017

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-.0653 -.0403 -.0233 -.0500

-.0902 -.0781 -.0674 -.1866

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.0050 .0236 .0237 -.0028

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-.1020 -.6225 -.4373 -.2191 -.1283 -.0914 . 1416 . 0573 -. 0047 . 1968 1.094 1.094 1.095 -. 2900 -.0183 . 1919 . 1618 . 1352 . 1438 .2334 .1251 .1127 .1035 .1039 .1312 .1937 .0079 .0015 -.0264 -.0739 -.0502 .0833 .0931 -.0537 -.149 -.0818 -. 1183 - 1756 -.1339

-.1306 -.1535 -.1707 -.1580 -.1902 -.2229 -.2633 -.2976 . 1983 . 1983 . 1100 . 0050 . 0250 . - 0250

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(RB2T05)

MSFC 56711A32F) T9 53/2 53/2 03 U5 EXTERNAL TANK

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DEPENDENT VARIABLE CP

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ž 4.9920 뵨 22.009 PTA DEPENDENT VARIABLE CP 900 ALPHA (3) 8 HYCH C II

SECTION 1 DEXTERNAL TANK

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MSFC 567(1A32F) 19 53/2 53/2 03 US EXTERNAL TANK

1 9319 9320 7750 .7085 .0003 -.0387 -.0122 IRB2T05) **9**. -.0313 -.1037 -.1004 -.0578 -.1367 -.2683 .5732 -.0889 -.1830 -.6874 5000 .+378 -.1172 -.2904 9.9990 -.2904 3816 .0382 .1365 96 K. .0768 .1698 .2239 3139 . 1357 1586 cors. .0661 .0681 .000 -.**6768** -.0670 -.0510 .23t7 . A.PHA (3) -.1733 .2203 -.2320 -.2356 -.2400 986 .0175 1750. 988 .060 ş SECTION (DEXTENDAL .0980. .1013 .1119 0757 MACH (13 * 18.000 38.000 38.000 72.000 93.000 108 PHI 324.000 342.000 360.000 379.000 77 Ŧ

5 Ŕ SE. ď .7085 4.9920 -.0686 -.0732 -.0076 .c020 . 6408 -.0:46 17:0. .5732 ..1178 ...0366 ...0312 ...0312 ...0419 ...0613 헏 5056 - 22.009 ¥378 -. 2646 -. 1021 -. 0960 -. 1837 -. 1824 -. 0633 . 1484 . 0355 . 0355 - 0831 - 3473 - 1625 - 1625 3816 PTA . 1658 . 0547 . 0896 . 393! . . 293 . . . 293 8 Å 3130 . 1450 . 1173 . 0576 . 0653 . 0653 . 1633 . 0694 .2707 .0583 .0580 .0388 .0332 .0730 .1953 5.000 .e3. -.0786 -.0752 -.1044 -.0528 -.0048 .040. -.1072 ALPHA I SI . .2203 -.1912 -.2325 -.2268 -.2051 - 1734 - 1716 - 1760 - 1663 -.3212 -.3030 -.2897 -.2678 -.2513 SECTION / DEXTERNAL TANS -.2311 **6**0 0757 CT HOW 18-000 35-000 54-000 72-000 93-300 103-000 £ X/L4

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HSFC 567(1A32F) T9 53/2 53/2 03 US EXTERNAL TANK

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DEPENDENT VARIABLE CP 6 454 SECTION I DEXTERNAL TAKE . 600 MACH (1) •

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ğ .7085 . 0169 . 0022 . 0039 . 0075 . 0133 . 0150 . 0239 . 0150 . 0239 . 0150 . 0239 . 0150 . 0239 . 0150 . 0239 . 0150 . 0239 . 0150 (RB2T05) 6.2720 .6±08 .5732 -.2868 . 1151 . 0894 . 0889 . 0889 . 0889 . 0899 . 0490 . æ -.9172 -.2387 -.1372 -.1568 -.3032 -.3088 . 5055 ..1871 ..1420 ..1294 ..1720 ..1871 ..3088 ..3038 MSFC 567(1A36") TB 53/2 53/2 03 US EXTERNAL TANK • 22.012 .4378 -.?1**87** -.1572 -.0862 -.1165 - . 4095 - . 1693 - . 1494 - . 1494 - . 1494 - . 1693 - . 693 - . 4095 PTA .3816 .1117 -.0726 -.3055 -.6543 -.7010 -.5177 3737 3108 1967 1967 1983 - 7.3718 3498 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .3139 .e707 . 1968 . 1930 . 1930 . 3118 . 3118 . 1187 . 0399 . 0399 . 0399 . 0399 . 0399 . 0399 . 0399 . 0399 . 1187 . 11830 . 1953 -5.000 -B. 000 .0341 .0767 .1311 .1311 .0303 .0503 .0503 .0998 .0998 .0991 .0503 .1311 .1311 .1311 .1311 .0503 2347 ALPHA (2) = ALPHA (1) -.1369 -.3143 -.4740 -.4519 -.3143 -.3143 . 2203 -.1618 -.1893 -.2691 -.0605 -.0352 -.0352 SECTION (DEXTERNAL TANK SECTION (1) EXTERNAL TANK . 1405 . 0934 . 084 I . 1550 .9836 -. 0639 -. 1108 -. 0839 .2652 -.1944 .2311 **6**6. 8 9116 6310. 6310. 6310. 6320. 6330. 6331. 6331. 6331. 4531. 522 . 3057 . 3057 . 3057 . 1883 . MACH (2) MACH (2) PHI 162.000 199.000 199.000 23.6.000 23.7.000 23.7.000 23.5.000 33.6.000 360.000 36.000
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|------------|--------------------|----------------|----------|--------------|-------|---|-----------------------|------------------|----------|----------|--------|--------------|----------|-------|--------|
| | | | | | HSF(| MSFC 56711A32F) T9 53/2 53/2 03 U5 EXTERNAL | (2F) T9 S | 3/2 53/2 | 50 20 2 | EXTERNAL | TANK | | (RB2T05) | ĝ | |
| | MACH (2) | • | V 006. | ALPHA (3) | • | 000 | | | | | | | | | |
| | SECTION (| 1) EXTERNAL | BUL TANK | . | | DEPENDEA | DEPENDENT VARIABLE CP | LE CP | | | | | | | |
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| | SECTION (| 1) EXTERMAL | ML TANK | | _ | DEPENDENT VARIABLE | T VARIABL | 85
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| | X/LT | .0757 | . 1550 | .2203 | .2347 | .2707 | .3139 | . 3±96 | .3816 | .4378 | . 5055 | .5732 | 9079 | .7085 | .7762 |
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TABULATED SOUNCE DATA, HEFC THE S67 (1A38F)

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MSFC 567(1A32F) TB 53/2 53/2 03 US EXTERNAL TANK

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| Fig. | E | 1.050 | ALPHA (5) | ê | | SFC 56711A
8.000 | 1325) 19 | 53/2 53/ | 2 03 US | MSFC 567(1A32F) 19 53/2 53/2 03 US EXTERNAL TANK
8.000 | . TANK | | (RB2) | (RB2T05) | |
|--|-----------------------------------|-----------|------------|---|------------------------------------|---------------------|--------------|----------|---------------|---|------------|----------------|------------|---|---|
| Composition | 3 00 0 | TERNAL TA | ¥ | | | DEPENDE | INT VARIA | BLE CP | | | | | | | |
| CFFWGENT VARIABLE CP CFFWGENT VARIABLE CFFWGENT VAR | 6. | | 192 | | | | | | | | | | | | |
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• | .286 | ALPHA | | | | | 9.2798 | PTA | | .012 | æ | • 6.690 | | • |
| Continue | X3(1) (| TERNAL TA | ¥ | | | OEPENDE | NT VARIA | BLE CP | | | | | | | |
| 6921 -1935 -1936 | .00 | | | | .2347 | 701S. | .3139 | 3499 | .3916 | .4378 | . 5055 | .5732 | .6408 | .7085 | .7762 |
| 1333 1382 1383 1384 1383 1385 1383 1385 1385 1383 1385 1383 1385 1383 1385 1383 1385 1383 1385 1383 1385 1385 1383 1385 | | | | | | | 1 | į | , | | į | | | | : |
| 1957 1093 - 2893 - 1910 1 - 3894 - 1937 - 2813 - 11 | • | _ | | | 926 | 0976 | 947£. | <u>.</u> | .6508
5591 | 2050 | C 96. | . 0293
1910 | 76497 | - 1769 | 1.17.1 |
| 4-77 -0435 -2609 -2010 -4659 -4637 -2611 -1105 -1010 -1104 | 35.000 .55 | | | | .2036 | 1500 | 3696 | .5061 | .4480 | .2213 | 1277 | 1.104 | 0599 | 1550 | 1.1.38 |
| . 1979 10073 15997 1786 1103 | • | | | • | .2468 | 0114 | 458 | .4937 | .2813 | . <u>2</u> | 1305 | 1019 | 0563 | # 1 | 1085 |
| 100 | 72.000 .43 | | | | . 27
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26 | 9051. | 1040 | 7885. | 5032 | . 2833 | \$005. | 0.00. | 0136 | - 1139 | 2967.
1.9-56 |
| - 2590 - 1390 - 2366 - 1050 - | • • | | • | | 8 | 0330 | 0.599 | 2239 | 5820 | 4003 | 3341 | 0720 | 9110 | 0158 | C35+ |
| 1735 1956 19419 1955 10782 1931 1936 1935 1931 1936 1935 1 | | | | | .3686 | 1121 | 0278 | 1243 | 3709 | - 25% | - 2916 | 0855 | 0569 | 0238 | 0279 |
| - 1177538913506312305520393159221991944002103891836312303523037035918391849183 | 144.000 .441 | | • | | 3751 | 2572
- 2020 | 0419
0258 | .0355 | 0782 | 0435 | - 2699 | 1.0551 | 4620 | - (824)
- (8338 | 1000 F |
| 13564007375125560937075103891839195600512753158640073751257204190355079204352699095122411348388038803886112102781243370929590951025429590951295609550559095129590951295609550559095909512956095909592959295909599959114402520258007829699959114407590559095909590959095411440252055900782969095918091909 | | | | • | 3508 | 3123 | 0522 | . 1373 | . 1232 | 0393 | 1592 | 2196 | 9+30 | 平,603年 | 0105 |
| 1866 4007 3751 12572 10189 | - | | | | .3629 | 3037 | 0258 | .0937 | .0751 | 0389 | 1839 | 37B1 - | 1939 | 0338 | 5.13. |
| 0073203090349034903290339034 | 215.000 .24 | | | | | 5.65. | 9140
arco | 5050. | 3870. | S 5 5 | 25 of 1 | 1080. | 6350 | 8E-6-2 | 6120 |
| 00752848394826772676503240741144025305272756507557665075576650750576576513096401 .56840778 .283905240576535513051506 .3898 .5081 .2831130515051506 .3898 .5801 .28051205120515051313 .3838 .5495 .525912051205120515051205 | | | | | | 0330 | .0599 | 2239 | 5820 | 4003 | 30+1 | 0729 | 31:6 | 80.0. | 100 m |
| 007529972756 .1309 .6901 .56890778 .283905291539 .1339 .6901 .56890778 .283905591539 .6939 .093728561530 .69390837 .2813 .2911120515051500 .3696 .5051 .4960 .223516351530 .3696 .5051 .4960 .223516351536 .2036 .1333 .3898 .59592659 .01910976 .3798 .6159 .659993999399902530976 .1713 .3898 .2050 .20593999399902530976 .1713 .3898 .5050 .2050 .3999399902530976 .1713 .3898 .2050 .20 | • | | | | | .1614 | .4725 | .3961 | 5032 | | 4004 | 1154 | 0253 | 0.59 | 3850°- |
| . Chara24640114493728131205125 | • | • | | | .2766 | . 1309 | | 2694 | 0778 | 583 | - 059
- | 0570 | ម្ចា ខ្មែរ | P) : | |
| . 1338 - 1812 - 1595 - 1955 - 1813 . 3838 . 5495 . 550 - 2559 - 3949025304371753 . 3838 . 5495 . 3749 . 6154 . 6508 9.99903949025304371753 . 3838 . 5495 . 3749 . 6154 . 6508 9.99903949025304371753 . 3838 . 3835 | 305.000 .497 | | • • | | 8 %
8 % | 1500 | 4964. | . 5051 | E 182 | . E155 | 1205 | n * | C588 | 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 |
| .1338161215850976 .3749 .6154 .6508 9.99903549025354371 ⁻ 530122 .2012 .3141 .4535 . | 342.000 .608 | | | | | 1313 | 3638 | 5495 | .5851 | .2050 | 2595 | 16:0 | 04:E | 17:: | 1810 |
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- 3501 | • | | | | | 0976 | .3749 | .615¥ | .6508 | 9.9990 | 3949 | 3253 | 0+37 | E3-1'- | (i) |
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MSFC 567(1A32F) 19 53/2 53/2 03 US EXTERNAL TANK

ð . 7085. 6.3900 .6408 -.078 -.0335 -. 1233 -. 1185 -. 0351 -. 0519 -. 0565 -. 0567 -. 0572 -.0717 - 1497 - 0572 - 0521 - 0555 5732 -.1853 -.1166 -. 03E1 ď 2863.-2014.: 2014.: 2016.: 20 -.:937 -.2534 -. 24:0 -. 28:5 -. 4:99 -. 1989 . 5055 -.1678 -. 18:9 +.8023 22.012 -.0910 -.0910 -.0926 -.0495 -.0926 .15:0 .15:0 .25:0 . 2558 . 2469 . 1703 . 9090 . 1703 437F -.1397 -.379! 3916 1.1970 1.1970 1.180 1.580 1.580 1.580 1.580 ¥Id. 9.2798 £.98 .5083 .4377 .4377 .5050 .5050 .0003 .0001 .1168 .1169 DEPENDENT VARIABLE CP VARIABLE CP 3139 2895. 2895. 2895. 2895. 2895. 2895. 2895. 2895. 2895. 2895. 2895. 2895. 2895. 2895. 2895. 2895. 2895. 2895. DEPENDENT . 1049 . 1246 . 0105 - 1476 - 2985 - 2935 -.2935 --275 -.1476 -.0105 ..0915 5002. -.1803 -.1843 -.1793 -.0916 -.1635 5.00 -B.000 .23.1 . 3135 . 3487 . 3487 . 3487 . 3569 . -.2175 . 2483 ALPHA (1) . ALPHA (2) -. 2203 - 1988 - 1989 - 1989 - 1988 - -.2854 -.2514 -.2535 -.2353 -. 3081 . 1493 . 3501 . 3501 . 2678 . 4626 . 4626 . 4635 . 3141 SECTION (DEXTERNAL TANK SECTION (DEXTERNAL TANK .0530 .0550 .0384 .0384 .0178 .0547 . 1550 -.0176 .0399 .0380 .0550 -.1052 -.0789 -.0547 80 <u>5</u> 9116 1111. 1086. 11210. 11210. 11210. 11210. 1221 . 1983 1. 1983 1. 1983 1. 1983 1. 1985 7570. HACH LAST MACH C 15 PH 182-000 1980-000 1 16.000
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6.6900 .6408 -.0433 . 0536 . 0536 . 0536 . 0959 . 0959 . 0311 . 0311 . 0939 . 0939 . 0931 .5732 된 - .4602 - .3689 - .2769 - .1884 - .0932 - .2013 - .0673 .5055 22.012 .4378 .0438 .0438 .121.1 . 2135 . 1720 . 1454 . 0280 . 0137 . 0280 . 1454 . 1720 .3816 Z .5952 .4484 .3629 .0822 -4152 -5393 -4898 3499 • 9.2798 .4056 .3510 .3527 .3521 .3527 .3527 .3527 .6189 .6189 .6189 .6189 DEPENDENT VARIABLE OF DEPENDENT VARIABLE CP .3139 - 2095 - 1117 - 1705 - 1708 - 1508 - 0579 - 1868 - 2388 - .e707 900. -5.000 -.2934 -.3013 -.2923 -.2963 -.2969 -.2969 . 2347 ALPHA (2) . ALPHA (3) . 2203 -.3155 -.3188 -.3195 -.3147 TANK .0330 .1303 .1303 .14802 .1580 .1518 SECTION (1) EXTERNAL TANK -.0320 -.0302 -.0314 -.0336 -.0348 -.0348 -.0357 -.0359 -.0359 -.0378 -.0378 .9836 . 1550 .. 82: . 80 SECTION (1) EXTERNAL . 3851 . 3350 . 2705 . 2705 . 2705 . 1113 . 1113 . 11025 . 11025 . 11025 . 1113 . 1188 0757 MACH (4) . MACH C 53 16,000
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. 2971 - 2973 - 2942 - 2887 - 2942 - 2973

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TABULATED SOURCE DATA, HISTO THE SET (TABEL)

| 3 | ? | | | Ì | TANK TO SALE OF SALE SALE TANK | 5 2 | 6/13 6/1 | 04 . EO | KTERMAL | TANK | | (RB2T05) | 05) | | |
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| | | | | Ē | C 567(1A3 | | 3/6 33/6 | | A I CIMAN | | | | į | | |
| MACH (4) | - | 1.250 A | ALPHA (3) | | 000 | | | | | | | | | | |
| SECTION (1) EXTERNAL | DEXTE | POIN. TANK | •• | | DEPENDEN | DEPENDENT VARIABLE CP | ie co | | | | | | | | |
| X/LT | .e757 | . 1550 | .2203 | 7469. | .2707 | .3139 | 86 A. | .3816 | .4378 | .5055 | .5732 | .6408 | .7085 | 397. | Si
i |
| PHI 288.000 306.000 378.000 350.000 378.000 378.000 | 3414.
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| 126.000 | 1612 | 2865 | | | | | | | | | | | | | |
| 144.000 | 1375 | | | | | | | | | | | | | | |
| 162.000 | . 1065 | | | | | | | | | | | | | | |
| 163.000 | 1065 | 9091 | | | | | | | | | | | | | |
| 216.000 | .1375 | | | | | | | | | | | | | | |
| 234.000 | . 1612 | | | | | | | | | | | | | | |
| 252.000 | . 1963 | | | | | | | | | | | | | | |
| 270.000 | 2 | | | | | | | | | | | | | | |
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100 000 | . 46.43 | | | | | | | | | | | | | | |
| 324,000 | 30.00 | | | | | | | | | | | | | | |
| 3+2.000 | 3951 | | | | | | | | | | | | | | |
| 380.000 | .4210 | | | | | | | | | | | | | | |
| MACH (4) | | . 250 A | ALPHA (%) | • | 5.000 a | • | 9.8798 | ATA | 2 | 25 .012 | e. | • 6.6900 | § | • | 8.5×90 |
| SECTION (1) EXTERNAL | 1)EXTE | PHAL TANK | u | | DEPENDENT | IT VARIABLE | 8 | | | | | | | | |
| X/LT | .0757 | | .2203 | 1.63. | cora. | 3139 | . ¥99 | 3816 | .4378 | . 5055 | .5732 | 6408 | .7085 | .7762 | 6 2.40 |
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| 000 | 2959 | 1272 | 3141 | 2755 | 0820 | . 1036 | 7849. | B 7 * . | | . 3986 | 0839 | . 0220 | X 6 | | 6 4 |
| 18,000 | 2940 | | 3723 | . 333 | 50 | 181. | . 20° | Ž. | 3 | 3700 | .0392 | 7920. | 2000. | 601. | 6
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6 |
| 36.000 | .3079 | | | 3326 | 2182 | .1789 | .2793 | 57.2 | 7 | . 3330 | 9800. | BC50. | 8 6 |) de | 5 4 |
| 54.C00 | .3305 | | | - W 38 | . 1778 | 1378 | 1788 | 970 | .0331 | 2589 | 9440. | *050. | 20.00 | 0350 | 236 |
| 72.000 | .3589 | 0577 | | | 1000 | 94.22 | 04.50
00.00 | 20/4. | . 604 | 200 | DE 00 - | 0217 | 6500 | .0553 | 1743 |
| 90.000 | . 3869 | | B | 3030 | <u> </u> | 0960 | | | | ; | <u>}</u> | |)
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HSFC 56711A32F) T9 53/2 53/2 03 US EXTERNAL TANK

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ALPHA (4) .

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| SECTION (1) EXTERNAL TANK | DEXTER | UL TANK | | | DEPENDEN | DEPENDENT VARIABLE CP | es
S | | | | | | | | |
|----------------------------|-------------|---------------|--------|---------------------------------------|----------|-----------------------|----------|---------------|--------|---------|--------|------------------------|--------|--------------------|--------------------|
| X/LT | .033 | 926 | . 2203 | 7.83. | . E707 | .3139 | 8 A. | 3016 | .4378 | .5055 | 5738 | 9 0 % 0. | .7085 | 3911. | . 6. 39 |
| Ē | | | | | | | | | | | ě | 9000 | 1000 | 0400 | 5850 |
| 108.000 | .4423 | - 000° | -,2960 | 2603 | .0328 | .¥860 | _ | | | 0000. | 200 | 1600 | 67.0 | 0315 | 1070 |
| 126.000 | 2893 | .0253 | 2764 | 8832 | 2037 | . 8240 | | | | | | | 6 | 9 | 100 |
| 144.000 | .5237 | .0507 | 25.73 | 23.8 | | Ž. | .2308 | | | | 5000 | 20.00 | 200 | ר האקרור
האקרור | 0590 |
| 162,000 | 2 | 01.00 | - 2. | 2343 | | 0997 | 295 | . 2386 | | | 200. | | 2020 | 950 | 41.0 |
| 180.000 | 1100 | .0807 | 2402 | 2308 | 1742 | 1159 | 1519. | . 2642
542 | _ | P/ PD - | 5 | | 1000 | 999 | 080 |
| 000.001 | - | 0170 | - 12 · | 2343 | 1816 | 0997 | .2163 | | .0331 | 0644 | - 0.54 | - Oct | 0 6 | 0000 | 1000 |
| 900 | CEC | 7080 | 27.50 | -,2518 | 1995 | . 1854 | .2308 | | | 0648 | 0535 | 0180 | C+20. | D 10. | 100. |
| C10.000 | | | | 28.5 | 2037 | .2240 | 9165. | .0314 | 0285 | 0720 | 0469 | .3021 | 0110 | .0315 | 1 0.0. |
| 234.000 | | Sean. | 500 | 2002 | 6620 | 6880 | | 3589 | 0541 | 0656 | 0410 | .0026 | .0021 | .0390 | 6960 |
| 252.000 | £ 243 | +cnn | 000. | 5000. | 9061 | 6228 | | 7794 | | 0981 | 0169 | .0217 | .0058 | .0665 | .1743 |
| 270.000 | .3869 | 0412 | 3199 | 3030 | 001. | 950 | | | 4400 | 1031 | .0035 | .0325 | 0078 | .0773 | .2261 |
| 288.000 | .3689 | 0677 | will | - W. | 0001 | ייים | 040 | | 1103. | 0000 | 0010 | 1020 | - 0:B2 | 3060 | 57.5 |
| 305.000 | .3305 | 0324 | 3561 | の の の の の の の の の の の の の の の の の の の | 1776 | .1378 | 1788 | 6+/O'- | 1050. | 6000 | . 0466 | 920 | 2010 | 7500 | 12 |
| 100 | 3079 | -, 1097 | 3678 | 3326 | 2182 | .1789 | .2783 | 5₹. | M##0. | 3530 | 9900 | 9050 | 0000 | | 25.76 |
| 90.0 | 9 60 | 0161 | 1017 | 3334 | 1254 | .1214 | .e704 | . 38.41 | .0641 | 3700 | . 0392 | .0467 | 00bc | 651. | 0000 |
| 346.000 | | | | A SEC | 0900 | 1036 | 78497 | 6144 | 9.9990 | 3988 | 0839 | . 0220 | . 0032 | .1171 | 57.50 |
| 350.000 | . 2959 | 1272 | 1415 | 6/23 | | 2 | <u>}</u> | • | 1950 | | | | | | |
| 378.000 | | | | | | | | | 5 | | | | | | |
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| X/LT | 9116 | .9836 | | | | | | | | | | | | | |
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| 18.000 | 3715 | 3090 | | | | | | | | | | | | | |
| 36.000 | . 3 | 3986 | | | | | | | | | | | | | |
| 54.000 | 3230 | .4518 | | | | | | | | | | | | | |
| 72.000 | 39. | ±00±. | | | | | | | | | | | | | |
| 90.000 | 203 | . 2393 | | | | | | | | | | | | | |
| 169.000 | .2028 | .2568 | | | | | | | | | | | | | |
| 126.030 | . 1702 | . 2895. | | | | | | | | | | | | | |
| 144.000 | .1456 | .2913 | | | | | | | | | | | | | |
| 162.000 | 11.00 | . 2323 | | | | | | | | | | | | | |
| 190.000 | . 1093 | ₽.
19. | | | | | | | | | | | | | |
| 198,000 | .1180 | . 2323 | | | | | | | | | | | | | |
| 216.000 | 99-1 | .2913 | | | | | | | | | | | | | |
| 23+ 000 | . 1702 | 2895 | | | | | | | | | | | | | |
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| 354 . 000 | 1000 | COCC. | | | | | | | | | | | | | |
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| TABULATED SOUNCE DATA, MSFC THT 567 (1A32F) | MSFC 567(1A32F) T9 53/2 53/2 03 U5 EXTERNAL TANK | C19 CC - ATO 2007 0 - 0 000 0 - (8) AND M. 020 1 |
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(R82T05)

| SECTION (1) EXTERNAL 1 /LT .0757 .18 | TANK
350 | .2203 | 7. E3. | DEPENDE: | DEPENDENT VARIABLE CP.
. 2707 . 3139 . 349 | BLE CP . 3499 | . 3816 | . 4378 | 8
5055 | .5732 | 90 1 9. | . 7085 | .7762 | . |
|---------------------------------------|-------------|--------|--------|----------|---|---------------|--------|--------|-----------|--------|--------------------|--------|--------|----------|
| = : | 9 | 2693 | 2466 | 1014 | 4+E0. | . 1632 | 3712 | | 3306 | . 0039 | .0487 | .0675 | 6 | 86 |
| 7 | 737 | - MSB | 3324 | 1017 | .0693 | 1981 | .3165 | .0470 | 3652 | .0715 | .057 | .0526 | .1453 | Ž. |
| 7 | 593 | 3765 | 3422 | 1762 | .1175 | .1872 | .2328 | .0557 | 4024 | .0592 | .0380 | .0350 | . 1213 | 5427 |
| 7 | 388 | 3849 | 3673 | 1187 | . 0339 | . 0295 | 0494 | 0443 | 2348 | .0330 | .0479 | .0375 | . 183 | . 2373 |
| 9 | 986 | 3665 | 3550 | 02% | .082 | 2147 | 3889 | 2832 | 1302 | .0081 | .0475 | .0412 | . 1093 | .2286 |
| • | S
S | 3357 | 3251 | . 1346 | 1981 | .5038 | 468± | | 1212 | 0101 | .0387 | 3640. | 8060. | 3271. |
| Ö | 890 | 2962 | 2860 | +*00 | .5395 | .5146 | 2765 | . 0827 | 0633 | .0039 | . 0202 | ₹
8 | なき | .0985 |
| • | 607 | . 253. | 2357 | 1756 | .3061 | . 3239 | Ū, 2; | . 1205 | 0537 | 0221 | 0050 | 78.37 | .0230 | 9170 |
| - | 890 | 2178 | 2055 | 1578 | . 1199 | .2558 | .2231 | 005¥ | 024₽ | 0350 | 0158 | .0337 | .0212 | .0518 |
| 7 | 1407 | - 1899 | 17g | 1329 | 0765 | .2635 | . 2826 | .0758 | .007 | 0413 | 0195 | 0010 | .030 | .0385 |
| • | 526 | 1812 | 1761 | <u> </u> | 0735 | .1896 | .30+1 | . 1066 | .0068 | 0334 | 0117 | 0015 | .0450 | 0600. |
| - | 1407 | - 1899 | - 17g | 1329 | 0765 | .2635 | .2826 | .0758 | .007 | 0413 | 0195 | 0010 | .030+ | .0385 |
| - | 690 | 2178 | 2055 | 1578 | .199 | .2559 | . 2231 | 00SF | 0242 | 0350 | 0158 | .0337 | . 0212 | .0518 |
| • | 607 | - 33 | 2357 | 1756 | .3061 | . 3239 | . 1045 | . 1205 | 0537 | 0221 | 0050 | .0437 | . 0230 | .0719 |
| ٦ | 990 | 2962 | - 2860 | ++00 | . 5395 | .5146 | 2766 | .0827 | 0633 | .0039 | . 0202 | 40.40 | Ŕ. | 2880 |
| 7 | 35+5 | 3357 | 325: | .1346 | £95. | .5038 | 4684 | | 1212 | 0101 | .0387 | 040. | 8060 | 1722 |
| 7 | 9860 | 3565 | 3550 | 0244 | .0821 | 2147 | 3889 | 2832 | 1302 | .0081 | .0475 | 5.5 | . 1093 | 2286 |
| 7 | 1388 | 3849 | 3673 | 1187 | .0339 | .0295 | 五十二 | 0443 | 2348 | .0330 | .0479 | .0375 | . 1183 | .2373 |
| 7 | 1593 | 3765 | 3422 | 1762 | .1175 | . 1872 | .2328 | .0557 | 1. 402. | .0592 | .0380 | .0350 | . 1213 | 7545 |
| 7 | 737 | 3584 | 3324 | 1017 | . 0693 | 1991 | .3165 | .0470 | -, 3652 | .0715 | .0571 | .0526 | 1453 | Š |
| 7 | 908 | 2693 | 2456 | ÷:01∵- | 4460. | . 1632 | 3712 | 9.9990 | 3306 | .0039 | .0487 | 2575 | 35 | 86 |
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-.0317 -.0408 -.0391 -.0395 -.0307 -.0633 -.1130 .7762 -.0341 -.0408 -.0307 .1201 .130 .0893 .0633 .0433 -. 0395 ž .7085 -.0317 .0305 .0809 .0809 .1296 .1441. -.0523 5.3300 -.0523 -.0320 -.0107 -.0320 -.0523 .6±08 .1363 .1072 .0761 .0880 .0981 .0098 .-0632 -.0618 -.0632 .0981 .0980 .0761 -.0713 -.07:9 .0589 .1692 .0311 .0311 .0592 .0467 .0311 .0612 .0589 .0589 .0083 .0085 .0085 .0085 .5732 룓 -.0483 -.0165 -.0185 -.0483 -.0625 -.0452 -.0280 .0629 .0529 .1167 .0322 .5055 .0322 .0031 .1167 .2196 .0629 .0462 .0462 50.011 ..0249 ..0249 ..0249 ..0188 ..0249 ..0456 .4378 .5115 .2118 .3011 .3011 .3011 .2118 .5115 9.9990 -.058+ PT .3816 -.02053 -.0254 -.0314 .0332 .2290 .2297 .2087 .2285 6530.
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4986. 88. 8 5.7168 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .3139 .0535 .0431 .0321 .0382 .0396 .1732 .0130 - 0293 - 0293 - 0293 - 0293 - 0310 - 0130 - 0136 - 0396 - 0382 - 0382 - 0382 - 0382 - 0382 - 0382 - 0382 - 0382 - 0382 - 0382 -.0293 .0459 .0451 .0332 .0176 .0007 .0209 ...0351 ...0358 ...0358 ...0351 ...0307 ...0070 ...0070 ...0070 ...0332 ...0569 .e707 -8.000 B. 000 .0534 .0519 .0539 .0634 .0051 -.0117 -.0249 . 0395 . 0396 . 0396 . 0395 . 0395 . 0396 . 0396 . 0396 7.83. ALPHA (5) -ALPHA C 12 -.0708 .0600 .0760 .0301 .0118 -.0330 -.0381 -.0432 -.0459 -.04381 .2203 -.0330 -.0201 -.0201 .0118 .0301 .0500 .0500 -.0201 SECTION (1) EXTERNAL TANK SECTION (1) EXTERNAL TANK .1550 .0805 .2297 .2896 .3217 .719. .0477 .0105 .0305 .9836 .9838 .. 80. 3.500 9116 33% 34.85 .0757 . 1262 . 0873 . 0788 . 1340 . 0731 . 0108 . - 0103 * (*) HOVE MACH (5) . 000 36.030 54.000 72.030 53.000 108.000 175.030 99,000 108.00 126.000 162.000 199.000 234.000 252.000 252.000 252.000 252.000 253.000 253.000 253.000 253.000 253.000 253.000 .000 18.000 35.000 72.000 342.000 350.000 Ē 17 X/LT X/LT

. 6978 . 6978 . 6575 . 6585 . 6585 . 6585 . 6885 .

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DEPENDENT VARIABLE CP 8 7 SECTION (1) EXTERNAL TANK 3.30 3.00 MCH C 30

ACT : :

.0007 -.0239 -.0007 -.0005 -.0007 -.0 PH1 165: 000 180: 000 198: 000 234: 000 270: 000 288: 000 388: 000 386: 000 386: 000 X/LT

ğ 5.3300 50.01 **4 -**5.000 ALPHA (2) -3.500 MACH (50)

.7762 7085 . 6408 .5732 5055 .4378 3816 9. 19. DEPENDENT VARIABLE CP .3139 T075. . 23×7 .2203 .1550 SECTION I DEXTERNAL TANK 7570

9. 18. -.0303 -.0310 -.0266 -.0297 -.0266 .0786 .0731 .0667 .0447 .0193 .-2856 .--.0303 -.0266 .0193 .0447 .0567 .0781 .1164 .0893 .0873 .0573 .0910 .0910 . 0901 . 09453 . 09453 . 09453 . 00174 . 0550 . 0550 . 005 .0105 -.0110 .1133 .1729 .0254 -.0459 . 0445 . 0445 . 0445 . 0043 . 0063 . 0611 . 0656 . 0657 . 1729 . 1133 . 1133 -.0188 -.0263 -.0192 -.0192 -.0263 -.0263 .4336 .2749 .2683 .0714 -.0621 .0714 .2683 .1749 .4336 9.9990 . 1678 . 1767 . 1665 . 1137 . 1137 . 1038 . 0739 . 0739 . 0185 . .0132 .0247 .0250 .1392 .0253 .0246 .0246 .0247 .0250 .0247 .0250 .0247 .0348 .0248 .0162 .0167 .0071 .0374 .0374 .0401 .0401 .0401 .0157 .0157 .0157 .0157 . 0326 . 0326 . 0326 . 0007 . 0007 . 0007 . 0326 . 0326 . 0326 1979 1763 1986 1986 1987 1988 1979 1979 3862 3908 3908 3908 3908 3319 3319 3319 3319 3319 3620 5173 5190 5190 5405 36.000 72.000 90.000 100.000 126.000 144.000 144.000 166.000 199.000 216.000 252.000 273.000 234.000 305.000 324.000 342.000 350.000 378.000 X/LT

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(RB2T05)

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| EXTERNAL |
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| X/LT | 9116 | .8836 | | | | | | | | | | | |
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| .000 | 1 6. | .0633 | | | | | | | | | | | |
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| 90.00 | .0220 | .0220 | | | | | | | | | | | |
| 000.001 | .0221 | .0282 | | | | | | | | | | | |
| 126.000 | .0000 | .0582 | | | | | | | | | | | |
| 14.000 | 0222 | .0893 | | | | | | | | | | | |
| 152.000 | 0341 | 0009 | | | | | | | | | | | |
| 180.000 | 0327 | 0266 | | | | | | | | | | | |
| 196.000 | 0341 | 0009 | | | | | | | | | | | |
| 216.000 | 0252 | . 0893 | | | | | | | | | | | |
| 234.000 | 0000. | .0582 | | | | | | | | | | | |
| 252.000 | .0221 | .0282 | | | | | | | | | | | |
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| 306.000 | 9801. | 25.55 | | | | | | | | | | | |
| 324.000 | £. | .234 | | | | | | | | | | | |
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| 360.000 | **60. | .0633 | | | | | | | | | | | |
| (C) HOW | 3.500 | | ALPHA (3) - | | 900 | • | 5.7168 | ¥ ¥ | 8 | 50.011 | ਵੰ | • 5.3300 | ¥\$ |
| SECTION (| SECTION (1) EXTERNAL TANK | INL TANK | | | DEPENDENT VARIABLE CP | IT VANIA | BLE CP | | | | | | |
| X/LT | 7570. | 1550 | .2203 | £3. | 7075. | 3139 | 3498 | .3816 | .4378 | 5093 | .5732 | .6±08 | .70 65 |
| ä | | | | | | | | | | | | | |
| Ē | 000 | 2 | 20.0 | 2150 | .0238 | .0333 | .0679 | .0746 | | .0259 | .0379 | .0711 | .0533 |
| 9 6 | ; ; | 1113 | 0088 | 7.400 | 9600 | .0227 | .0633 | .0839 | 6448 | .0027 | .0146 | . 05¥5 | .0457 |
| 3 000 | | 1 | 60 | 000 | . 0081 | .0190 | .0639 | .1039 | . 1360 | . 1018 | *100 . | .0027 | . O132 |
| 000 | L. 1077 | . 1133 | 0036 | 0023 | 9600. | .0176 | .0538 | .0836 | | .0855 | 0107 | 0212 | .0237 |
| 72.000 | 1514. | 1116 | 0087 | 0070 | . 0058 | .0173 | ٠
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三 | 90. | 1.0.4 | 0273 | .0315 | . 5051 |
| 90.000 | \$30×. | 011. | 0107 | 01% | . 00% | 100 | .6763 | .: 725
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| 108.000 | ¥070 | .1120 | 0107 | 0148 | - 00+3 | 8
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8 | . 22°0 | 142 | 0273 | 0537 | S | -, 9334 | 2080 |
| 125.000 | .¥060 | .1113 | 0131 | 0165 | 0131 | .000 | .0261 | 00+3 | 0.
0. | 0320 | 0439 | 0222 | * 10°- |
| £4.000 | .*12 | .1187 | O.4 | 0:78 | 0209 | 00% | .0234 | .0122 | 01
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01 | .0057 | 0043 | - 6 | , p. 00 |
| 62.000 | 1514. | .1150 | 0121 | 1.0171 | 0229 | 01% | .00. | .0064 | .0173 | 0019 | 54:0. | | 9700 |
| 180.003 | 98 ×. | .1137 | 0138 | - .0178 | 0236 | 0178 | 0080 | - 00° | .0372 | * | 1920 . | 1,00 | 2500 |
| 198.000 | 1017. | .1150 | 012 | 1.017 | . 1828 | | .00. | *900· | .0173 | - 0019 | | . 5071 | 9200. |
| 215.000 | .4121 | | ¥10 | £10 | 0209 | 00⊁8 | .023° | .0122 | 3 | .0027 | 00+3 | 0:1 | 0087 |
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| 000 000 | 1 | | | | | | | | | | | | |
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is | | | TABLLA | ABULATED SOUNCE DATA. | C UNIA. | ž | Ř | A367 J | | | | | | <u>.</u> |
|-----------------------|------------------|--------------|----------------|-------------|--|-----------------------|----------------|----------|----------|--------|---------------|----------|-------|--------|---------------------|
| | | | | HSFC | MSFC 567(1A32F) TB 53/2 53/2 03 US EXTERNAL TANK | er) 18 S | 3/2 53/2 | 03 US E | XTERNAL | TANK | | (RB2T05) | ĝ | | |
| HACH (5) | 3.500 | | ALPHA (3) | • | 000 | | | | | | | | | | |
| SECTION (1) EXTERNAL | 1)EXTERN | M. TANK | | | DEPENDEN | DEPENDENT VARIABLE CP | LE CP | | | | | | | | |
| x/LT | 7570. | | . 2203 | .2347 | £707 | .3139 | 8
4 | .3916 | .4378 | .5055 | .5732 | 9049 | .7085 | .7762 | 9 . |
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| 298.000 | 1514 | 9 | 0067 | 0070 | .0068 | .0173 | . S. S. | 南土 | -£200. | O. * | | .0315 | 200. | .0058 | C. |
| 306.000 | -+07. | .1133 | 0036 | 0023 | 9600. | .0178 | .0538 | .0836 | | | | 0212 | .0237 | 96.6 | B.00. |
| 32+.000 | 1414. | <u>\$</u> | .005¢ | 0009 | 1800 | 00.0 | .0639 | . 1039 | 1360 | .1018 | ¥100. | .0027 | 9. S | £/10. | 2000 |
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378.000 | 60 A | 6 5 | C | | BC 30 | ceen. | 6.00 | | 9440. | | | • | | | |
| X/LT | 9116 | 88 | | | | | | | | | | | | | |
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| 000 | .0738 | 90. | | | | | | | | | | | | | |
| 18.000 | 8¥60. | .157 | | | | | | | | | | | | | |
| 36.000 | .0288 | ₹02° | | | | | | | | | | | | | |
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109.000 | F020 | 0623 | | | | | | | | | | | | | |
| 126.000 | 9900 | 5 | | | | | | | | | | | | | |
| 144.000 | 0161 | 1049 | | | | | | | | | | | | | |
| 162.000 | | 0033 | | | | | | | | | | | | | |
| 180.000 | | 0165 | | | | | | | | | | | | | |
| 198.000 | 0236 | 0033 | | | | | | | | | | | | | |
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| 234.000 | . 6068 | 6 5 | | | | | | | | | | | | | |
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| 288.000 | 9210 | 56 | | | | | | | | | | | | | |
| 305.000 | .051 | .2263 | | | | | | | | | | | | | |
| 324.000 | .028 | .20J. | | | | | | | | | | | | | |
| 3∿2.003 | 03-FB | .1577 | | | | | | | | | | | | | |
| 380.000 | .0738 | \$ | | | | | | | | | | | | | |
| HACH (5) | • | 3.506 AL | ALPHA (4) | • | 5.000 a | • | 5.7168 | ₹ | - 50.011 | | • | 5.3300 | \$ | • | .67500 |
| SECTION (1) EXTERNAL | 1)EXTER | INL TANK | | | DEPENDEN | DEPENDENT VARIABLE | LE CP | | | | | | | | |
| X/LT | .0757 | 920 | .2203 | .2347 | .2707 | .3139 | 86-K. | .3916 | .4378 | 5005 | .5732 | 80%9. | .7085 | 5977. | . |
| Ē | | | | | | | | | | | | | | | |
| 000 | 986 | .0637 | .0173 | .0197 | .0207 | . D244 | .0299 | .0+37 | | .0143 | .050 | .0585 | .0213 | 0063 | 2883 |
| 18.000 | .303! | .0592 | 60
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60 | .0105 | .0031 | 52. | .0227 | .0284 | . 1739 | 2080 | | | .0133 | 0:65 | 0114 |
| 36.000 | .3156 | .0653 | .0118 | .0139 | .0061 | 1600. | 9210. | .0329 | .0876 | .0315 | | | 0121 | 2169 | 2. [6] |
| 5+.030 | . 3363 | .07 | .0102 | .0139 | .008 3 | .0105 | .006 | . 3328 | .0538 | | | 0222 | .0003 | A) (| . (
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| 72.000 | 3735 | 0060 | .00° | 9110 | 1600 | .0122 | .2293 | .0558 | 02v2 | | | 0300 | 9,00. | 100 CC | יין
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MSFC 567(1)432F) 19 53/2 53,2 03 US EXTERNAL TANK

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12 | | | TABLE | ATED SOU | ACE DATA | TABULATED SOURCE DATA, MSFC THT 567 (1432F) | T 567 (1 | A32F1 | | | | | 35 V C | 823 |
|------------------|---|---|------------|---------------|--|-------------------------|---|------------------|----------------|--------|--------|----------------|---------------------|----------------|----------------|
| | | | | HSF | C 567(1A) | MSFC 567(1A32F) T9 53/2 | 53/2 53/2 | 03 45 E | 03 US EXTERNAL | TANK | | (RB2T05) | 105.1 | | |
| MACH (5) | • | 3.500 A | ALPHA (5) | • | 9.000 0 | | 5.7168 | PTA | - 20 | 50.011 | 돲 | . J. 3300 | 4 S 4 | • | .67500 |
| SECTION (| (1)EXTERNAL | EFRIAL TANK | | | DEPENDENT | NT VARIABLE | BLE CP | | | | | | | | |
| X/LT | .07 5 7 | 0531. 73 | . 2203 | . 2347 | .2707 | .3139 | 3498 | .3816 | .4378 | .5055 | .5732 | . 6 *08 | .7085 | .7762 | 9 . |
| Ę | | | | | | | | | | | | | | | |
| 000 | .2338 | | .0210 | .0200 | .0217 | .0186 | .0173 | £ 50. | | .0237 | .0724 | . 0274 | 0033 | 0253 | 0175 |
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36.000 | | 5050.
5050. | 1500 | .0037 | 1 6 | 9000 | B000. | 6/10. | | 1000. | 2860. | . מככת | 3 | 563 | 6 500 |
| 000.45 | į ž | | | 0037 | 0002 | .0051 | 7100. | #E00. | | 0388 | 0510 | 0314 | -,5070 | , C ED. | 6000 |
| 72.030 | 7.447 | | 0151 | 0019 | 0036 | 0067 | .1634 | .0237 | 0229 | 0374 | 0489 | 0324 | 23.65 | 0.0070 | 0067 |
| 90.600 | ₹. | | 0107 | 0124 | 0016 | .1313 | 6929. | .2324 | | 0161 | 0033 | 0164 | t , | 5153 | 0080 |
| 109.000 | .4631 | | .0027 | 0019 | 0040 | .0413 | .1907 | .2805 | .0782 | 0107 | .0217 | .0355 | . 33-9 | 5389 | .0355 |
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| 190.000 | . 1848. | | | . 043
1640 | 0396 | 9860 | £6£0. | 0376 | 0508 | 1096 | 0981 | 2170 | | | י המה
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| 198.000 | .6299 | 60-47. | | 0+32 | .0345 | 0340 | .0392 | .0425 | .0913 | . 0836 | .0785 | 6:90 | (FE2) | . C+23 | |
| 215.000 | .5907 | | | .0350 | . 0223 | . 024t | :170. | .0937 | .0798 | .0460 | .C+84 | .0528 | 5 E | 問題 | 6359 |
| 234.000 | . 5254 | 1810 | .0206 | .0146 | .0078 | .0311 | 8670. | S160. | .1374 | . 0626 | . 0257 | .03+9 | 3 | Cato | . 039 2 |
| 252.003 | .+631 | | .0027 | 0019 | 0040 | .0413 | .1837 | .2805 | . 0782 | 0107 | .0217 | .0355 | (F) | 6621 | . 2395 |
| 270.030 | 3945 | | 0107 | .°. | - 0016 | . 1313 | 69-9 | . 2324 | | 0161 | 0033 | -, 9:0- | | 0653 | 1.5050 |
| 269.00g | 7445 | | 0151 | 0019 | 0035 | 0067 | · :634 | .0237 | 0229 | 0374 | 0489 | - 3354 | 8 | 7.03.4 | 0167 |
| 306.000 | .2973 | | .0010 | .0037 | 0002 | .0351 | .0017 | ₩C0. | .0¥8 | 0388 | 0510 | 0314 | | 60 | 6000. - |
| 324.039 | . 258 | o, · | 7¥00. | .0058 | .0010 | 1+00. | .0037 | .0165 | \$0.50° | 0083 | 0520 | 3297 | 7 | | 21 C3 |
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| 350.030 | . 23. | 0440 | .02:0 | . 0250 | . 0217 | .0196 | .0:73 | *
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* | 9.9990 | . 0237 | .0724 | . CS) . | 3033 | | i. i. i. |
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| K/LT | 9116 | 6 .9836 | | | | | | | | | | | | | |
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| 000 | . 1231 | 1 . 1231 | | | | | | | | | | | | | |
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| 109.000 | .0369 | | | | | | | | | | | | | | |
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| 144.338 | .0291 | | | | | | | | | | | | | | |
| 162,233 | .031 | | | | | | | | | | | | | | |
| 160.000 | .0328 | 9 .0362 | | | | | | | | | | | | | |
| EDD GET | .0311 | | | | | | | | | | | | | | |
| | 16 de 18 | 1167 | | | | | | | | | | | | | |
| ממני הוות | 0369 | | | | | | | | | | | | | | |
| 273,200 | 6380. | | | | | | | | | | | | | | |
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ORIGINAL PAGE IS OF POOR QUALITY

8.000 MACH (5) = 3.500 ALPHA (5) = DEPENDENT VARIABLE CP SECTION (1) EXTERNAL TANK

.9116 X/LT

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PACE 230

(RB2T05)

MSFC 56711A32F1 T9 53/2 53/2 03 U5 EXTERNAL TANK

TABULATED SOURCE DATA, MS/C THT 567 (1A32F)

DATE OS SEP 75

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| DATE: 05 SEP | k | | | | TABULATE
HSFC ! | 1ED SOURCE DA74
567(1A32F) 19 | E DATA.
IF) T9 S | A, HSFC TWI
53/2 53/2 | | : 567 (1A32F)
03 US EXTERNAL TANK | TANK | | (482*05 | ä | 74.0E 52 | |
|---|---|--------------------------------|------------------|---|--------------------------|----------------------------------|---------------------|--------------------------|--------|--------------------------------------|-------------|--------------------------|----------------------|---|---|-------------------------------|
| | PEFERENCI | - | DATA | | | | | | | | | _ | PARAMETR:C | C DATA | | |
| | 6.1980 SQ.1
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00 | • | 4. 365t | P1A | | 22.011 | æ | • 5.00% | \$ | • | 17.234 |
| J | 1)EXTERNAL | MAL TANK | ¥ | | 8 | DEPENDENT VARIABLE | YARIAB | 25 3.4 | | | | | | | | |
| | 7870. | . 1550 | . 2203 | | . E347 | rors. | .3139 | . 3493 | .3916 | .4378 | . 5055 | .5732 | .6+08 | .7085 | 38. | 86.4g. |
| | | | | | | 9 | 9 | 9 | 9 | | 2002 | 200 | (1)
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| | . 1516 | - 2070 | 52123
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3 & | .1123 | .1796 | .2031 | .0093 | 1069 | . 0.5
10. | .0372 | .0530 | 750: | . 1589
893 |
| 35.000 | .2248 | 1484 | • | | | ₩90. | .0867 | 1021 | .1161 | . 0209 | 0223 | .033 | 3990 · | 98 | 7357 | (S) |
| | 9875.
.e. r | 1037 | 70953 | • | 0037 | . 0915
8081 | .070+ | 8200° | . 1059 | #800 · | 5410. | 5750 | 9.63.
9.63. | (a) | 1223 | 6 88
8 88
7 88 |
| 93.000 | 3002 | 0833 | | | | .2067 | .2106 | 1301 | 2696 | | .0308 | .0095 | 6550 | .0373 | 7.23 | . 3383 |
| 109.600 | ₹8%. | 1067 | | | | _ | | 366: | 2560 | 2145 | 0304 | .000 | .9163 | . 6253 | 3312 | 2 2. |
| | .2316 | . 1595 | | | | | | 2027 | 1171 | 1117 | 1.0411 | 0255 | | o p : | 86 [| 86 id. |
| 144.638 | . 588
6 | - 2245 | BB22 2 | | 1613 | - 4070. | - 1044
- 1133 | 1070 | 182 | 1071
1071 | 0865 | CE97 | 2550 | | | 855° |
| 186.003 | .0211 | - 3232 | | • | | | 097 | . 1027 | 1058 | 1001 | 0885 | 0765 | - (352 | | | 0703 |
| 199.003 | 0208 | - 3±96 | | | | | | ::95 | 0990 | 1003 | 0915 | 0767 | - 0599 | | | 0.17.
0.11.0 |
| | C587 | 3628 | | • | | • | 1365 | 0755 | 0972 | - 0959 | 0918 | 0551 | 0000 | |
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11 8 | |
| | 0932 | - 3558 | - 2663 | • | . 0307 | 1 222 | 08050 | 2603 | - 1366 | 5.11.E | 030 | .0000 | . 0103 | | | - F. Z. |
| | - 122+ | 3420 | | | • | 2204 | 2002 | :460:- | 24.35 | ! | 0695 | 0755 | 0+B2 | 2337 | 6431 | Casc |
| 259.000 | 0570 | 3340 | | | . 0561 | :713 | .173+ | 1529 | 1632 | 2291 | 0927 | caea - | 050T | 2818 | 65 GB | 6230 |
| | 0898 | 3331 | | | . 010: | .3846
.3346 | 9499 | 0233 | 0885 | 1473 | 1271 | 1.1891 | 900 T | | m (g
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| | 2000 | | 1926 | | • | 0 6 6 | 2020 | 9550 | | 5007 | | 239 | 5070 | 4 | - 134 | 1 (C) |
| | . CB82 | 26+3 | | ' | 1616 | 0350 | .1059 | .1610 | | 9.9930 | 3092 | 0430 | ()
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| | 9116 | . 9836 | _ | | | | | | | | | | | | | |
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| | | - 5280 | _ | | | | | | | | | | | | | |
| | | . 1322 | | | | | | | | | | | | | | |
| | | 5715. | | | | | | | | | | | | | | |
| | | 01/2 | _ | | | | | | | | | | | | | |
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| 190 033 | | 1916 | | | | | | | | | | | | | | |
| | - 841S | 1224 | | | | | | | | | | | | | | |
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(RB2TOB)

HSFC 567(1A32F) 19 53/2 53/2 03 US EXTERNAL TANK

| | | | | | | • 5.00%0 PSA • 17.234 | | ST.48. S2(T). 28CT. 80-40. St | | 0186 .0398 .073 | 9CJ1: 7850: 6550. | 9793 BCC3 F350 | 7 (0233 (2453 (255) 7
6 (0154 (255) (256) | 97. 853g. 570g. | .033 .032 | 03670386 | | 6253 3232 | 0203 258 2379 | 0167 + 6156 | | ◆.0298 •.0205 .3235 | 0357 | +.0593 - 0352 - 005 | 5180 - 1880 - 5881 - | 527 | | | |
|----------------------|------------|---|--------------|----------------|---|-----------------------|----------------------|-------------------------------|---|-----------------|-------------------|----------------|--|-----------------|-----------|----------|--|-----------|---------------|--------------|--|---------------------|------------------|---------------------|----------------------|-------|--------------------|--------------|------|
| | | | | | | 22.011 R. | | S5732 . 5055 . 5732 | | 4666 | 9680 | - 9290 | 48 0304 0047 | 0032 | G | 0500 | 9650 - 1960 - 46
9140 - 1860 - 08 | 03t-7 | 0489 | . 0±97 | 73 - 1,650 - 67
59 - 1,654 | 0479 | 0619 | 085 | 1355 | 3546 | 97 4855 16/8
14 | | |
| B | | | | | | 65t PTA • | 8 | 87E+. 318E. 99vE. | | . 1932 | 362 | 16.6 | 15302470448
848 - 1415524 | 18.0 | . 2590 | 1704 | 450 - C111:- 050
050 - C040 - 485 | 0765 | 1.00 | 0789 | 247 - 1365 - 1073
305 - 2327 - 2459 | 2556 | 750:5902070 | 0589 | . 0030 | 0825 | +181 | | |
| DEPENDENT VARIABLE (| | | | | | . 4.3654 | DEPENDENT VARIABLE | E. 9815. 7075. | | 1429 | . 1302 | \$250. | .0914 .05750153
 | .2136 | .0051 | 0713 | 0580 0729 0584
0580 0729 0584 | 1,90 | C+88 | 015262690809 | | TT+5. | 0571 7951. 7071. | - 56.50 | 1160. | 9611 | na. Ka+1. gecn | | |
| <u> </u> | | | | | | 1 (2)4.000 | 33 | . 2203 . 23v7 . 6 | | 00 | 8 | 1117 | 13670217 .0
0897 0713 | \$60. | .0216 | 1020 | - 1916 - 1929 - 10 - 1916 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - | - P.55 | 2405 | | 0210 | .0667 | .0713 | .0085 | 0623 | 080- | | | |
| TEMUL TANK | Š | | • | 1860.
1860. | M | .600 BETA | TERNAL TANK | . 1550 | | 2347 | 2123 | - 186 | - 1703 | . 1629 | 171 | 2095 | | - 2959 | 3003 | 高麗 | . 2982 | 2914 | - 283 | 2745 | 2669 | 96. i | , co. | 9838
9838 | |
| | X/LT .9116 | • | 270.000 .127 | | | MACH (1) • | SECTION (!!EXTERNAL | X/L7 .0757 | ä | | | | 24.000 .18v9 | | | | 162.000 000.441 | | | 817.000 res | 0780 850.585 | | • | | | • | 378.030 | 5110. | - id |

(FRE2TD6)

 SECTION (1) EXTERNAL TANK DEPENDENT VARIABLE CP

PHI
36.000 .2072 .1659
54.000 .2072 .1659
54.000 .2072 .2332
72.000 .1894 .2655
90.000 .1899 .0421
108.000 .1899 .0421
108.000 .1899 .0421
108.000 .0296 .0834
144.000 -.013 .0129
162.000 -.0235 -.1343
160.000 -.0235 -.1343
160.000 -.0226 -.1313
215.000 .0312 .0529
224.000 .0312 .0618
275.000 .1410 -.0229
285.000 .0153 .0560
324.000 .0153 .0560
325.000 .2535 .1054

77 DEPENDENT VARIABLE CP 000 EETA (3) . SECTION (1) EXTERNAL TANK 603 MACH C 13

R 8.00.1 8.00.1 8.00.1 -.63!3 - 63% - C.8.0 T.633. T -. C: 31 T. G. 83 - . 2683 - . 1367 - . 0578 - . 0383 - . 0420 - . 0420 - . 0373 - . 0263 - . 0263 - . 0263 - . 0263 - . 0263 - . 0263 - . 0263 5735 -.6874 -.1830 -.0869 -.0E50 -.0777 -.0595 -.0595 -.0484 -.0484 -.0392 -.0484 -.0484 -.0527 -.0595 -.290% -.1172 -.0891 -.1917 -.2513 -.1123 -.0526 -.0525 -.0525 -.1123 -. 1917 . 1365 . 0385 . 0386 . 0540 - 0540 - 0540 . 0597 . 0595 . 0536 . 0536 . 0536 . 0536 . 0536 . 0536 . 0536 . 0536 . 0536 .3816 - 2547 - 2762 - 1639 - 0540 . 1698 . 1698 . 0232 . 2005 . 1326 . 1340 . 1549 . 0559 . 0569 . 1549 . 1549 . 1549 . 1549 . 1359 . 1359 . 1596 . 0949 . 0755 . 1402 . 2245 . 0401 . 0401 . 0553 . 0553 . 0553 . 0401 . 0401 . 0401 . 0401 . 0401 .0567 .0578 .0967 .0967 .1532 .1939 .0913 .0913 .0913 .0913 .0913 .0913 .0913 .0913 .0913 .0913 . 2707 -.0510 -.0570 -.0768 -.0182 .0551 -.0564 -.1966 -.275 -.275 -.275 -.275 -.1966 -.0949 -.0195 - 1133 - 1396 - 0802 - 1665 - 2078 - 2378 - 2572 - 2572 - 2572 - 2572 - 2572 - 2572 - 2572 - 2572 - 2572 - 2573 - 1663 - 1863 - 1863 - 1863 - 2356 - 2356 - 2355 - 2355 - 2355 - 2453 - 2770 - 2885 - 2770 - 2885 - 2770 - 2885 - 2770 - 2885 - 2770 - 2885 - 2770 - 2885 - 2770 - 2885 - 2770 - 2885 - 2770 - . 1550 0757 .000 38.000 54.000 72.000 90.000 128.000 128.000 144.000 169.0

(R82T05)

HSFC 567(1A32F) 19 53/2 53/2 03 US EXTERNAL TANK

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|-----------------------|----------|-----------|-------|--------------------|------------|---------|-------|-----------------|--------|--------|--|---------------------------------------|----------------|----------------|
| | . 1550 | .2203 | .2347 | .2707 | .3139 | .3499 | .3916 | .4378 | .5055 | .5732 | 90-9 | .7085 | .7762 | . 6439 |
| | | | | | | | | | | | | | | |
| | 2350 | | 0769 | .0678 | 8460. | .0768 | .0382 | 1172 | 0889 | | | .0003 | .0319 | 04.0 |
| | | | 0670 | 1990
1 | 1357 | 1690 | .1365 | - 200± | 1830 | | 1037 | 0387 | .0336 | .0866 |
| 350.00 c .1119 | . y 6 | 1528 | 0510 | .0687 | 1296
1. | . 2239 | 5719. | 99.99
1.29%. | 687 | 2683 | 100₹ | 0122 | # G | . 0928 |
| 3116. T./X | 96.96 | | | | | | | | | | | | | |
| _ | | | | | | | | | | | | | | |
| 5751. 000. | - 323p | | | | | | | | | | | | | |
| | 0716 | | | | | | | | | | | | | |
| | .0387 | | | | | | | | | | | | | |
| 54.000 .0281 | . 1566 | | | | | | | | | | | | | |
| 72.000 .1194 | .1671 | | | | | | | | | | | | | |
| 90.000 | .0175 | | | | | | | | | | | | | |
| 108.000 .0691 | .0371 | | | | | | | | | | | | | |
| | .050 | | | | | | | | | | | | | |
| | . 6289 | | | | | | | | | | | | | |
| | 1106 | | | | | | | | | | | | | |
| | - 1-38 | | | | | | | | | | | | | |
| • | - 1:06 | | | | | | | | | | | | | |
| | .0289 | | | | | | | | | | | | | |
| | .060 | | | | | | | | | | | | | |
| | .0371 | | | | | | | | | | | | | |
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| 342.000 | 0716 | | | | | | | | | | | | | |
| 307. UUU. Uuge | \$ Y . | | | | | | | | | | | | | |
| MACH (13 + | .600 68 | BETA (4) | • | \$.000 a | • | F. 1859 | PTA | • 22. | 22.011 | 뒽 | 5.0040 | 8 | | 17.234 |
| SECTION (1) EXTERNAL | MAL TANK | | 9 | DEPENDENT VARIABLE | . VARIABL | g
3 | | | | | | | | |
| X/LT .0757 | . 1980 | .2203 | 7983. | .e707 | .3139 | . 9490 | .3816 | .4378 | .5055 | .5732 | B0 + 9. | .7085 | .7762 | 9 . |
| Ē | | | | | | | | | | | | ~ | | |
| .000 . 103 | - 230 | - 1771 | 13747 | 5770 | .1520 | .2187 | .2051 | | 5330 | - 1573 | - 0.82 | 789. | BC.C.D | 9 |
| 6090° 000 61 | - 2596 | | 0604 | .0557 | 1.56 | 1362 | | +854 | | - 2951 | - 1105 | - 0053 | 9.55 | 9 |
| 35.000 .0383 | - 2569 | | 0623 | | 1 160 | .0586 | | 1735 | | 1397 | 100 | 196 | | מינים |
| | | | .0085 | | | | | | | F-C70 | 0893 | 980 | | 2 2 |
| | | 1737 | .0853 | | | | | | | 0671 | - 0350 | 1000. | 1000. | ה המער
המער |
| 8410 030 06 | - 2914 | 0826 | .0667 | | | | | | | 7640 | מילות
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האקרי | 0000 |
| 0070 | 2982 | 1307 | .0120 | | | | | P#46 - | - 0653 | 040 | D | n n 2000 | 0000. | D 1000 |
| . 0078 | | | | • | | | | | . 0515 | 0460 | 0167 | | 2000 | Serie. |

(R82T05)

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HSFC 56711432F) T9 53/2 53/2 03 US EXTERNAL TANK

BETA (4) . 4.000

600

MACH (1) #

| X/LT | .0757 | . 1550 | . 2203 | .2347 | .2707 | .3139 | 3499 | .3816 | .4378 | . 5055 | .5732 | .6408 | .7085 | .7762 |
|----------|---------|--------------|--------|-------|--------|----------------|--------|---------|--------|----------|--------|--------|--------|--------|
| Ē | | | | | | | | | | | | | | |
| 144,000 | 62.50 | 303 | 600 | 1896 | 0152 | -, 0269 | -,0609 | 0788 | 0723 | - , 0497 | 1230 | - 0167 | 9900 - | - 003- |
| | .0493 | 3003 | - 2619 | . Y . | 0431 | 0-88 | 0908 | 0641 | 0655 | 0489 | 0349 | 0203 | 008 | 6.00 |
| | .0781 | 2823 | 55 | 200 | 0440 | 0567 | -,0635 | -,0568 | 0603 | 0463 | 0394 | - 02B0 | 0710 - | - 0147 |
| | . 0939 | 2707 | 333 | 2161 | 0680 | 0729 | 058+ | 0840 | 0730 | -,0543 | -,0418 | 0252 | Ķ | 0152 |
| | . 1278 | 2453 | 2310 | 1548 | 0545 | 0746 | 0996 | 1115 | 0854 | 0561 | 0356 | 0164 | 0131 | |
| | : 1609 | - 2095 | 1862 | 1020 | 0050 | 0713 | 1822 | 1704 | 1157 | 0500 | 0303 | 0067 | - 0025 | 0000 |
| | . i 0+3 | 1771 | 1230 | .0216 | . 0815 | .005 | 35:9 | ₹. 2590 | 2345 | 0653 | 0349 | 40.0 | מי כי | M. (C. |
| | . 1922 | 1629 | 0+89 | 1970. | . 1938 | .2136 | 1313 | 2754 | | 0032 | 6171 | .0073 | 6523 | \$C\$0 |
| | . 2069 | 7.15. | 0897 | .0953 | . 1527 | .1317 | 9761 | 1415 | 1524 | 0074 | 0126 | 10.0 | 1030 | 1972 |
| | 1849 | 1703 | 1327 | 0217 | 4180 | .0675 | 0153 | 0247 | 0448 | 0304 | 0047 | .0233 | 0463 | 0.0 |
| | .1671 | 1864 | 1514 | 1117 | .0618 | ₽ 2 60. | . 0939 | .0791 | 0468 | 0500 | .0005 | .0267 | .0558 | 6250 |
| | 133 | 2125 | 1733 | 1364 | .0597 | . 1302 | . 1829 | . 1762 | 1314 | 0898 | 0059 | .0225 | .0587 | 1008 |
| | . 163F | 239 | 1771 | 1374 | .0775 | . 1520 | .2187 | . 2051 | 9.9990 | 5330 | 1573 | 0182 | .0387 | 87.00. |
| 379.000 | | | | | | | | | 4284 | | | | | ! |
| X/LT | 9116 | 9636 | | | | | | | | | | | | |
| <u>.</u> | | | | | | | | | | | | | | |
| 000 | . 2229 | 5172 | | | | | | | | | | | | |
| 16.000 | | 1364 | | | | | | | | | | | | |
| 35.000 | .0875 | 0117 | | | | | | | | | | | | |
| | .0153 | .0560 | | | | | | | | | | | | |
| | .0965 | .0722 | | | | | | | | | | | | |
| | 0:41 | 0229 | | | | | | | | | | | | |
| | .0739 | 6 50. | | | | | | | | | | | | |
| . 26.000 | .0312 | .039
198 | | | | | | | | | | | | |
| | -0163 | .0224 | | | | | | | | | | | | |
| | | 1013 | | | | | | | | | | | | |
| | | 1480 | | | | | | | | | | | | |
| | | 1343 | | | | | | | | | | | | |
| | 0013 | .0120 | | | | | | | | | | | | |
| | 9520 | .0634 | | | | | | | | | | | | |
| | 6738 | .029 | | | | | | | | | | | | |
| | . 1219 | .0421 | | | | | | | | | | | | |
| 900 | £83 | .2556 | | | | | | | | | | | | |
| 990 | ₹/60 | . 2332 | | | | | | | | | | | | |
| 000 | . 2072 | . 1659 | | | | | | | | | | | | |
| 3.42 000 | 2331 | .0656 | | | | | | | | | | | | |
| | 000 | | | | | | | | | | | | | |

(RB2106)

MSFC 56711A32F) 19 53/2 53/2 03 U5 EXTERNAL TANK

• 17.234 PSA 5.00+0 된 22.011 PTA ₹.365 • 8.000 3 BE TA 8

| | | 8.39 | 1084 | 2020 | 96 | 0100 | .0539 | . 0539 | .0360 | .0138 | 0117 | 019¥ | 941. | - CB:+ | 0455 | 0186 | .0188 | .0139 | .0360 | . 1535 | 188 | . 1923 | .1589 | 1700 · | |
|------|-----------------------|--------|--------|---------|--------|--------|--------------------|--------|-----------------------|---------|---------|---------|----------|---------|---------|---------|------------|---------|---------|-------------|---------|---------------|----------|---------|---------|
| | | .7762 | 0493 | 1220 | | 9010 | B¥00. | .0138 | .0059 | +.000.+ | 0198 | 0251 | 0485 | 0649 | 0473 | 0277 | .0089 | 000+ | .0453 | . 1023 | . 1225 | . 1307 | . 1037 | .0493 | |
| | | .7085 | 0220 | 1600 | | 0371 | - 059± | 0212 | 0237 | 0097 | 0238 | +, 0292 | 0691 | 0672 | 0532 | 0264 | . 00¥8 | 0097 | .0373 | .0691 | .0787 | . 0868 | .0630 | .0229 | |
| | | .6¥08 | 300 | 2000 | . 0493 | - 1609 | 1368 | 0607 | 0485 | 0192 | 0289 | 0359 | - , 0599 | 0712 | 0555 | 0324 | 0047 | 0192 | . 3259 | 9,79 | 9450. | .0520 | .0372 | .0014 | |
| , | | .5732 | - 0467 | 1026 | 1659. | 2941 | . 129 | 0987 | 0756 | 0437 | 0455 | 0551 | 0767 | 0880 | 0697 | 0500 | 0266 | 0437 | .0095 | .0272 | .0315 | .03% | 超10. | 0467 | |
| | | . 5055 | 1002 | | 0000 | 2389 | 1271 | 0927 | 0686 | 0678 | 0650 | 0818 | 0915 | 0923 | 0866 | 0652 | 9¥11 | 0678 | .0306 | .0338 | .0142 | -,0223 | 1069 | 3201 | |
| ì | | .4378 | | | .000 | 2453 | -, 1473 | 2291 | | 2468 | 1118 | 0959 | 1003 | 1029 | 1071 | 0983 | 1117 | 2145 | | 10 <u>6</u> | ₩00. | . 0209 | €600. | 9.9990 | 6007 |
| : | | .3816 | 0541 | | 1410 | 0626 | 0885 | 1632 | 2+35 | 217⁴ | 1326 | -, 9972 | 0990 | 1122 | 1182 | 1272 | 1711 | 2560 | 2696 | 1059 | .0163 | . 1161 | .2031 | . 1469 | |
| | BLE CP | 3499 | 9031 | 6666 | 8990 | | 0233 | 1529 |
1 4 60 | 2603 | 1073 | 0755 | 1195 | 1099 | 0932 | 1070 | 2027 | 3661 | 1301 | 1831 | .0008 | .1051 | 1796 | . 1695 | |
| l | DEPENDENT VARIABLE CP | .3139 | . 30 | 5001 | .0697 | .0563 | .0 81 9 | 173 | .2506 | .0815 | .0050 | 0401 | 0835 | 1038 | 1133 | 1044 | 0965 | 0097 | . 2106 | .1359 | .070 | .0867 | .1123 | .1053 | |
| | OEPENDE | .2707 | | 1650. | 0710. | . 0276 | .0946 | .1713 | .2204 | . 1222 | .0348 | 1.04. | 0839 | 0892 | 1102 | \$0.2° | 016 | .0838 | .2067 | 1696 | .0915 | .080 . | ₹.
6. | .0331 | |
| | | . 23%7 | | - 1 /00 | 09B1 | 0740 | .010 | .0753 | . 10+3 | 44.60. | 0307 | 2224 | 2800 | - 2584 | 1782 | 1613 | 09* | .0249 | . 1025 | .0753 | 0037 | 0779 | 1216 | 1788 | |
| | | .2203 | | - 2000 | 2361 | P.134 | 2302 | 2040 | 1653 | - 168 | 2663 | - 2938 | 3009 | 2881 | - 2843 | 2288 | 1709 | 0902 | 0168 | 0428 | 0953 | 1392 | 1910 | 2096 | |
| | NAL TANK | . 1550 | | 277B | .3113 | 3249 | 3331 | 3340 | 3420 | - 3482 | 3555 | 35.28 | 96.76 | 3173 | 2817 | - 22.5 | 1393 | 1067 | 0833 | 0782 | 1037 | 4 | 2070 | B775. | |
| • | DEXTER | .0757 | | .0552 | 0075 | 0550 | 0886 | 0.00 | 1224 | 1103 | 250 | - 0557 | 0208 | 10391 | 080 | 6891 | 2318 | 282 | 3005 | 45.15 | 2759 | 8 | 1516 | .0552 | |
| MACH | SECTION (1) EXTERNAL | XVLT | Ē | 000. | 18.000 | 36.000 | 54,000 | 72.000 | 000.00 | 000.604 | 126 000 | 000 371 | 162.000 | 180.000 | 000 861 | 216.200 | 23th . 050 | 252,000 | 270.000 | 289,000 | 305.000 | 324 030 | 342 C00 | 350.000 | 378.000 |

.9836

- 3506 - 3033 - 0590 - 0590 - 0590 - 0396 - 0103 - 1651 - 1651 - 1650 - 050 - 18.000 36.000 172.000 190.000 1128.000 1144.000

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| MACH (1) | • | 909 | META (B) | • | 0.000 | | | | | | | | | |
|---------------------------|--------------|----------------|------------------|--------------|-----------------------|----------|-------------|----------|---------|--------------|--------------|---------------|--------------|---------------|
| 2E ;710N (| 2 | TEMME TANK | | | DEPENDENT VARIABLE CP | IT VARIA | F. C. | | | | | | | |
| X/LT | .91 | . 836 | | | | | | | | | | | | |
| PH1
342.000
380.003 | | . 5828 | | | | | | | | | | | | |
| MACH (2) | • | 908 | ETA (1) | • | -000 a | • | 7.3620 | PTA | 22
• | 22.011 | æ | 6.2700 | AŞ | • |
| SECTION (| 200 | TERNAL TAN | | | DEPENDENT VARIABLE | IT VARIA | ALE CP | | | | | | | |
| X/LT | 7570. | . 1930 | . 8203 | 7468. | .e707 | 3130 | 86 Å. | .3816 | .4378 | 5000. | .5732 | .640 8 | .7085 | .7762 |
| Ē | | | | | | | | | | | | | , | • |
| 000 | .1687 | es. | ¥18 | 0147 | 1880 . | 2002 | . 20 | 2785 | | 8260 | 0590 | .0287 | 9990. | 623 |
| 18.000 | £313. | 9698 | 3176
307 | 3 00. | 9180 | 400 | 1331 | 5/83 | 5641. | 1767 | 0348 | . 0596 | 170 | 1691 |
| 000 -40 | 3593 | 1530 | 1723 | .0335 | . 1563 | 1526 | 0109 | 1390 | .0277 | 0916 | 0380 | .0585 | 1090 | .1601 |
| 72.000 | \$104 | 1169 | 0830 | . 1296 | 9059 | .2686 | 1600. | 5923 | 0720 | 0589 | 0129 | .0594 | . 1015 | . 1605 |
| 98, 338 | . 3893 | ž. | 0299 | . 1661 | .3068 | .3788 | .2982 | 6240 | | 1099 | 0149 | .0324 | .0514 | 978C. |
| 108.003 | 7172. | - 1467 | 1392 | .0962 | 1828 | . 1480 | 1145 | 8175 | 2157 | 0326
0955 | - 0355 | 1050. | 5555
7150 | |
| 144.000 | ¥ 6 | . 2568 | - 3114
- 3114 | 0814 | 0187 | 0663 | 1382 | 6677 | £ :- | 0953 | 0589 | 0348 | | 6530. |
| 152.003 | 628 | 321: | +501 | 1.1941 | 0557 | 0050 | 0909 | 3033 | -,1709 | 1127 | 0730 | 0510 | | 5.0:- |
| 180,000 | . 1038 | 3876 | 4420 | 3937 | 033₩ | 0629 | 1377 | 2127 | 1878 | 1158 | 0769 | 054S | | 0255 |
| 196.000 | 1650. | . 4373 | | 3322 | . 0275 | 0097 | 1854 | 1993 | | 7501 | 25.00 | - 0446 | 7009 | 83.0 |
| 000.000 | 6620 | 60/4 | 313B | 0143 | 1598 | . 1235 | 0690
- | -,4709 | 1782 | 0784 | 0343 | 0112 | .0009 | .018: |
| 25c.000 | 5.5 | 5121 | 06+6 | 0.00 | £100. | . 2303 | 03+4 | ::
š. | 3196 | -, 0926 | 5100. | .0351 | . 0526 | E: C3: |
| 273.008 | 0578 | 5113 | 0005 | 150 | .3571 | +358 | .3122 | 8730 | i | - <u>- 1</u> | 0925 | - | 5100. | # f |
| 286.000 | 0380 | 90. | .040 | 86. | 3061 | 50 A | 3 60. | 7583 | | 7. CQ. | | * COG | 50.0 | 5.70 |
| 305.000 | 0231 | 80.00
80.00 | 1312 | 680: | . 2260 | | 3163. | | 4397 | 5281 | 1380
2417 | 7680°- | .00500. | 1860 |
| 342.003 | 5070 | 96. | 3930 | 0110 | 1278 | .2090 | . 2201 | . 1089 | 6256 | 8556 | 2577 | 0360 | .0485 | ™ 263. |
| 350.000 | . 1697 | - 4403 | 3412 | 0147 | ₩890. | . 2092 | . 2997 | .2785 | 9.9990 | 8260 | 0590 | .0267 | .0659 | 1029 |
| 379.000 | | | | | | | | | .1433 | | | | | |
| X/LT | 9116 | 9838 | | | | | | | | | | | | |
| ž | | | | | | | | | | | | | | |
| 000 | . 3632 | - 3868 | | | | | | | | | | | | |
| 19.003 | 1434 | .3677 | | | | | | | | | | | | |
| 35.330 | 4024° | 4958 | | | | | | | | | | | | |
| 54.000 | . 3022 | . 5067 | | | | | | | | | | | | |
| 72 000 | 3 66. | 5108 | | | | | | | | | | | | |
| 90,000 | 3+S1. | 0230 | | | | | | | | | | | | |
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100 000 | 100 | 1967 | | | | | | | | | | | | |
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HSFC 587(1A32F) 19 53/2 53/2 03 US EXTERNAL TANK

-8.000 = 8 MACH C 23

DEPENDENT VARIABLE SECTION (1) EXTERNAL TANK .9636 9116

-. 0822 -. 1097 -. 0576 . 0*76 .1167 .1257 .0819 . 1885 2255 . 1808 - . 2979 500.0 .0036 .0197 .0478 .0560 .0578 .1534 .1578 .1 PH1
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190.000
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273.000
288.000
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ž 6.2700 썯 22.011 PTA ₹.000 BETA (2) = 006 MACH (2)

.0439 . 1939 - 2347 - 2453 - 2533 - 25143 - 1357 - 1357 - 1058 -.7762 .7085 -.0283 .0282 .0253 .0185 .0113 .0109 .0000 .0001 .6408 -.0146 -.0093 -.00109 -.0229 -.0495 -.0579 -.0579 - . 0334 - . 0496 - . 0244 - . 0343 - . 0370 - . 0370 - . 0318 - . 0318 - . 0218 - . 0208 - . 0248 .5732 -.1670 -.0517 -.0543 -.0515 -.1139 -.1145 -.1624 -.2962 -. 7263 -. 2175 -. 1423 -.0789 -.0588 -.0688 -.0688 -.0689 -.1069 -.1304 -. 1039 -.1150 -.0850 -.1375 -. 2287 -. 1410 -. 1161 -. 1279 -. 1383 -.0339 -.0438 -.0447 -.1023 .4378 -.1194 -.1392 -.2434 -.1767 -.1718 -. 2992 9.9990 9.9990 -.0338 .3016 . 2996 . 2552 . 0839 . . 2804 . . 7788 . . 5200 . . 3556 . . 2557 . . 2050 -.9223 -.2770 -.5164 -.85:1 -.284: .1615 . 1897 . 1891 . 1891 . 0204 . 0204 . 3008 . 1003 . 0037 . 0037 . 0037 . 0037 . 0037 . 0037 . 0037 . 0037 . 0037 . 3190 . 0724 . 3287 3499 DEPENDENT VARIABLE CP . 0003 . 0087 . 0087 . 1084 . 1084 . 1084 . 1084 . 1084 . 1084 . 1085 . 1086 . .3139 .2168 .1788 .1827 .2854 .3911 .171. rors. . 1394 . 1394 . 1390 . 1390 . 1390 . 1393 . 0393 . 0393 . 0393 . 0525 . 0859 . 1452 . 2522 . 2522 . 2522 . 2522 . 2523 . 2526 . 2525 . 2625 . .2347 .1001. .259.4. ..0541. ..3381. ..3381. ..0302. ..0302. ..0980. .0651 .1240 .1563 .1240 .1276 .052! -.0001 . 2203 -.3507 -.2819 -.1526 -.0462 -.0242 -.2140 -.3173 -.4209 -.4188 -.4367 -.2371 -. 4059 -.0425 -.0031 -.0161 -. 1913 . 2375 . 2375 . 2376 . 2374 . 2615 . 2878 . 3319 . 3587 . 3688 . 3688 . 4209 SECTION (1) EXTERNAL TANK -.3213 . 550 -.4244 -.4159 -.4037 -.7809 -. 3213 0757 . 000 35.000 35.000 72.000 90.000 125.000 144.000 162.000 199.000 234,000 273,000 289,000 325,000 324,000 342,000 350,000 X/LT

MSFC 567(1A32F) 19 53/2 53/2 03 US EXTERNAL TANK

| | DETENDENT VARIABLE CP | | | | | | | | | | | | | | | | | | | | |
|-------------------------|----------------------------|------------|----------------|-------|-------------|-------------|--------------|--|---------|--------------|--|---|---|---|---|--------------|---|---|---|---|---|
| .500 HE IA (2) = 4.500 | | 9636 | | | | | . 199
199 | | | | | | | | | | | | | | |
| MACH (2) . | SECTION (1) EXTERNAL TANK | X/LT .9116 | ī . | . 000 | 19.000 .380 | 35.000 .356 | 54.000 .2626 | | 109.003 | 126.000 .100 | | · | · | · | · | B71. 000.075 | • | · | · | • | • |

| PHI | MACH (2) - | | 9006. | BETA (| . 33 | 0000 | | • 7.3620 | PTA | ਲ
• | 22.011 | æ | 6.2700 | \$ | • | 13.039 |
|--|-------------|----------|----------|--------|------|---------|----------|----------|-------|--------|--------|-------|--------|--------|--------|--------|
| 1037 1550 2203 2347 2707 3139 3949 3816 4378 5055 5732 6408 7065 7752 | 8 | I) EXTER | MAL TANK | Ų | | DEPENDE | NT VARIA | BLE CP | | | | | | | | |
| 1000 1932 2213 .0050 .1504 .2356 .3341 .3054 2513 2514 0689 .04+5 .1053 .0050 .1504 .2215 .2056 .2573 2217 1774 0933 .0207 .0972 .000 .1567 3310 1762 .0157 .1467 .2306 .2697 .2056 .3054 1880 1136 1091 0356 .0093 .0094 .000 .1567 3353 2593 .1371 .2023 .2112 .0456 3054 1059 1059 0795 1065 .0295 .0093 .0094 .0000 .1567 1053 1059 1059 1059 1059 0165 .0546 .0093 .0094 .0000 .0000 .0000 | | .0757 | . 1550 | . 220 | · | • | .3139 | 3498 | .3816 | .4378 | .5055 | .5732 | .6¥08 | . 7085 | .7762 | 85 43 |
| 000 1932 -3392 -3394 3394 3305 -1836 -1836 -1837 -1835 -1836 -1836 -1836 -1837 -1836 -1836 -1837 -1836 -183 | = | | | | | | | | | | | | | | | |
| 000 1170 -3340 -1176 1057 1467 2306 2697 -2617 -1174 -0933 0207 0908 000 1170 -3245 -3200 1141 1697 2105 1630 -1036 -1036 -1036 -0393 0644 000 1170 -3245 -3209 1371 -2023 -2112 0495 -1059 -0795 -0106 -0689 -0998 -0998 -0998 -0999< | .000 | . 1832 | - 3292 | 221 | | | 2536 | .3341 | 305+ | | 9335 | | 0699 | .94÷5 | .1053 | . 1503 |
| 030 1170% -32%5 -3200 11141 1697 -2105 -1680 -1136 -1136 -1091 -0395 -0395 -0393 -0589 -0393 -1212 0,045 -1303 -1293 -1059 -0196 -0295 -0196 -0295 -0196 -0295 -0196 -0293 -0196 -0295 -0196 -0295 -0186 -0296 -0186 -0296 -0186 -0296 -0186 -0296 -0186 -0296 -0186 -0296 -0 | 000 | . 1675 | 3310 | 176 | | | . 2306 | .2697 | .2050 | 2573 | 2217 | | 0933 | .0207 | 5760. | . 1458 |
| 000 1587 3383 2699 .1371 .2023 .2112 .0956 3093 1293 1059 0795 0166 .0286 .2018 .0297 1281 1059 0165 .0286 .2118 .0397 1281 0618 0727 0165 .0289 .0289 .2209 .2019 0293 0269 .0289 .0289 .0289 0893 2870 0586 0289 .0899 0899 2870 0893 0899 .0899 0899 0899 0899 .0899 0899 0899 .0899 0899 0899 .0899 .0899 0899 .0899 .0899 0899 .0899 | 000 | .170¥ | 3245 | 320 | | | 2105 | . 1630 | .036⊁ | 1880 | 1136 | | 0396 | .0093 | . D544 | . 1282 |
| 000 1617 - 335305%6 1305 2696 3018 039780771581081807270316 0215 0215 0215 0215 0215 0215 0215 0215 | .000 | 1587 | 3383 | 269 | | | .2112 | 94.0 | 3093 | 1293 | 1059 | | 0186 | .0285 | . 2808 | .1377 |
| 0.00 1.444 - 3475 - 0.0165 1.528 3213 44083 30948079120606280269 | .000 | . 1617 | 3353 | 05k | | | .3018 | .0397 | 8077 | 1581 | 0818 | | 0316 | .0215 | .0760 | 1346 |
| 000 1532 - 3501 - 1600 0224 1298 0835 - 1194 - 5623 - 1281 - 0679 - 0217 0044 0209 0401 0001 0001 0001 0001 0001 0001 00 | .000 | #### . | - 3475 | 016 | | | .4083 | .309t | 8079 | | 1205 | | 0269 | 23.82 | . 05+3 | 1039 |
| 0.00 1504 - 3501 - 1600 0.0224 1298 0.033 - 1194 - 5623 - 1281 - 0.057 - 0.0217 0.0044 0.0208 0.0001 0.000 0.000 0.0001 0.000 0.0001 0. | ີວວຍ | ¥091. | - 3443 | 052 | | | B002. | 0649 | | 2270 | 0933 | | ₹00. | .02v7 | . 0503 | 5773 |
| 000 1504 - 3614 - 4059 0234 0696 0351 - 05974158103406290184 0060 0209 0333 | . 000 | . 1532 | 3501 | 163 | | | . 0835 | <u>.</u> | | 128! | 0679 | | **00. | . 3208 | :040: | .0673 |
| 255 1566 -13549 -14058 -11835 10552 10134 -10794 -12103 -11016 -10505 -10242 10120 10320 10320 10320 10500 11550 -13565 -14153 -12850 10552 10041 -10794 -12003 -11077 -10505 -10242 -10033 10115 10290 10320 1030 | 200 | .1504 | 3614 | 405 | | | .0351 | 0597 | | 1034 | 0528 | | . 0060 | .0209 | .6387 | .0597 |
| 000 155035654'532850 .0552 .0041079420031077050502420033 .0155 .2599 .0200 .0300 | 300 | 1566 | 3549 | 465 | • | | -013¢ | ->0785 | | 1016 | 0507 | | 0023 | .0:20 | .9308 | C840. |
| 000 1566 - 3599 - 4058 - 1835 0567 0134 - 0786 - 2138 - 1016 - 0507 - 0258 - 0023 0120 0328 0020 0328 0020 0328 0020 0328 0020 0220 02 | 555 | . 1550 | 3565 | . 4. 5 | • | · | .0041 | 0794 | | 1077 | 0505 | | 0033 | 5::0: | 9630 | . 0297 |
| 050 . 150436144099 . 0234059503510597315810340628018406500209039703080318051805180217024402280217024402280 | COC | | 3549 | 405 | • | • | .013¥ | 0786 | • | 1015 | 0507 | | 0023 | .0120 | .0308 | . 2ªB7 |
| 503 . 1532 - 13501 - 1502 . 0224 . 1298 .0835 - 1194 - 1563 . 1281 - 0679 - 10217 . 0044 . 0258 . 0401 . 0503 . 0503 . 0503 - 1504 - 13648 - 13648 - 13649 - 13648 - 13649 - 13648 - 13649 - 13649 . 0503 . 0 | 050 | | 36!4 | 4096 | | Ť | .035! | 0597 | • | - 1034 | 0529 | | .0000 | 6050. | . 0397 | .0597 |
| 503 . 1594 - 3443 - 6525 . 6955 . 2209 - 2008 - 648 - 6339 - 2270 - 6933 - 6526 . 6525 - 6526 . 6533 . 6033 | 000 | | 3501 | ;63(| | • | .0835 | ₹
1. | • | 1281 | 0579 | | 4400. | 9556. | 1040. | 55.7 |
| . 053 . 1910 . 0361 . 2015 | CCC | .1594 | - 3443 | 052 | | ٠ | . 2008 | €.06+8 | 9339 | . 2270 | 0933 | | . OC24 | 7550. | .0503 | . DJ13 |
| | 600 | *** | - 3475 | 016 | | • | .4083 | 309 | 8073 | | . 1206 | | 0269 | .0192 | .05+3 | .1039 |

(R82T06)

MSFC 567(1A32F) 19 53/2 53/2 03 US EXTERNAL TANK

900 BETA (3) . 906 MACH (2) .

| March Marc | X/LT | | | | | | | | | | | | | | | |
|--|--------------------------|------------|---------|------|-------|----------|----------|------------|------|-------|--------|-------|---------|------------------|----------|------------|
| 85 007 1617 - 3333 - 2696 1330 - 2695 3018 0 0357 - 6077 - 1561 - 10618 - 10727 - 1361 0 0215 25 000 1627 - 3343 - 2696 1331 2623 2112 0 055 - 1695 - 1136 - 1136 0 025 25 000 1627 - 3342 - 2695 1314 1857 2105 1830 0 0353 - 1180 - 1135 - 1069 0 0193 25 000 1627 - 3340 - 3340 - 3340 - 3340 1 0050 1154 2625 213 0050 1157 2105 2130 2057 - 2310 2 0053 2 0595 25 000 1627 - 1167 25 000 1 1627 - 1167 25 000 1 1627 - 1167 25 000 1 1627 - 1167 25 000 1 1627 - 1 | • | .0737 | . 1360 | | Cars. | | .3139 | | | | . 5055 | | | | .7762 | 8 |
| 1, 200 1, 150 1 | · Ž | | | | | | | | | | | | | | | |
| 1. 1. 1. 1. 1. 1. 1. 1. | 239.00 | .1617 | 3353 | | 1305 | 5692 | 3018 | 7980 | | 153 | | | | | i | : |
| 7. 100 1879 - 1280 1141 1887 2100 1630 1039 - 1880 - 1880 1039 1020 1030 1030 1030 1030 1030 1030 1030 | 306.0" | 1387 | 3383 | | 1371 | . 2023 | -2112 | 95.40 | | | | | | | 0 6 | |
| 1 - 5116 - 5836 - 1732 - 1732 - 1732 - 1047 - 1236 - 2697 - 2697 - 2213 - 1737 - 1237 - 1737 - 1933 - 2619 - 1969 | 324.000 | 97 | . 32.5 | | 3:: | .1697 | .2105 | . 1630 | | | | | | | 2000 | |
| 11 116 1882 -3292 -2213 .0050 .150v .2535 .33v .305v .5335 -2516 -0569 .0440 12 116 .5935 .2513 .0050 .150v .2535 .33v .305v .5535 -2516 -0569 .0440 13 13 13 13 13 13 13 | 342.000 | . 1675 | 3310 | 1762 | .0157 | 1467 | 2306 | .2697 | | | 7100 | | | | | 200 |
| 1916 1985 | 350.000 | . 1832 | - 3292 | 2213 | .0050 | 200 | 82 | 700 | | _ | 2220 | | | | 2/80. | |
| HI 1816 19836 HI 1817 - 1167 B 5004 1857 - 1167 B 5004 1857 - 1167 B 5004 1857 - 1167 B 5000 1859 1859 1859 1859 1859 1859 1859 1859 | 379,000 | | | | | | | | | 2573 | | | | | . | ? |
| 1.00 | x/ר1 | 9116 | .9836 | | | | | | | | | | | | | |
| Second 1637 - 1167 | Ŧ | | | | | | | | | | | | | | | |
| 8.006 1689 1787 1789 1789 1789 1789 1789 1789 17 | 000 | . 1837 | 1167 | | | | | | | | | | | | | |
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| 2. 000 1911 2731 2. 000 1918 2731 2. 000 1918 2731 2. 000 1918 2731 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1921 2731 2. 000 1921 2731 2. 000 1922 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1923 1929 2. 000 1929 1 1000 1000 1000 1000 1000 100 | 36.000 | <u>\$</u> | 14.31 | | | | | | | | | | | | | |
| 0. 000 1971 2731 | 3 4 . 00 0 | .1214 | 3.5 | | | | | | | | | | | | | |
| 0.000 11876 11336 5.000 11023 11826 6.000 1023 11826 6.000 1023 11826 6.000 0.0033 11829 6.000 0.0033 11829 6.000 0.0033 11829 6.000 0.0033 11829 6.000 0.0033 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.0000 0.003 11829 6.0000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0.003 11829 6.000 0 | 72.000 | 161. | .2731 | | | | | | | | | | | | | |
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6.000 .1278 -35331559 .2233 .2397 .2707 .3139 .3259 .2593 .49221033 .1659 .1007 .2275 .2592 .1110 .0125
6.000 .1278 -35331559 .0011 .1901 .1901 .2275 .2292 .1103 .1028 .1272 .0017 .1005 .10 | 108.000 | 132 | | | | | | | | | | | | | | |
| 2.000 .0629 -0159
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2.000 .1109 -1337 -1357
2.000 .1109 -13370 -1367 .0325 .1447 .2743 .3298 .2593 .1615 .4403 -1628 -1110 .0192
2.000 .1778 -1370 -1367 .0325 .4443 .2597 .2707 .3139 .2598 .1615 .4403 .1629 -1100 .0192
2.000 .1778 -1878 .1624 .0001 .1401 .2278 .2596 .1778 -1278 .1615 .4403 .1624 .1624 .1625 .2710 .2710 .1773 -11145 .1773 | 125.000 | . 1023 | . i | | | | | | | | | | | | | |
| 1.000 | 144.000 | | | | | | | | | | | | | | | |
| 1.000 1082 -1875 1.000 1083 -1278 1.000 1083 -1278 1.000 1083 -1278 1.000 1083 1878 1.000 1878 -1335 1.000 1878 -1350 1.000 1878 -1350 1.000 1878 -1350 1.000 1878 -1350 1878 -1000 1.000 1878 -1350 1878 -1000 1.000 1878 -1350 1878 -1000 1.000 1878 -1350 1878 -1000 1.000 1878 -1350 1878 -1000 1.000 1878 -1350 1878 -1000 1.000 1878 -1350 1878 -1000 1.000 1878 -1350 1878 -1000 1.000 1878 -1000 1.000 1878 -1000 1.000 1878 -1 | 100.00 | | £ 6 | | | | | | | | | | | | | |
| 1.000 10833 1289
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| MACH (2) • | | 9006. | BETA (5) | • | B.000 a | • | 7.3620 | PTA | . SS | 22.011 | d | 6.2700 | 8 2 | • | 3.039 |
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Б | | | TABLLA | TABLE ATED SOURCE DATA, MSFC TWF | E DATA. | MSFC TN | 7 567 (1A36) | A3C4) | | | | | |
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MSFC 56711A32F) T9 53/2 53/2 03 US EXTERNAL TANK

= . 050 MACH (3) DEPENDENT VARIABLE CP .1141 .2987 .2512 .2540 .2640 .3056 .2657 .2629 .2629 SECTION I DEXTERNAL TANK . 9636 9116 PH:
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(RB2T05)

MSFC 567(1A32F) T9 53/2 53/2 03 US EXTERNAL TANK

. 35 MACH (3)

B.000

BETA (5) .

DEPENDENT VARIABLE CP SECTION (1) EXTERNAL TANK

.9836 . 2921. 9116 .5588 .4225 342.00**0** 350.000

6.6890 22.009 PTA .9.000 BETA (1) . . 33 MACH [4)

DEPENDENT VARIABLE CP SECTION (1) EXTERNAL TANK

. 7085 .6¥08 .5732 .5055 .4378 .3816 ₩. .3139 .2707 7.83. . 2203 .1550 .0757

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-.1536 -.0861 -.0282 .0032 -.0454 -.0655 - . 2815 - . 1248 - . 0381 - . 0362 - . 0512 - . 0512 - . 0513 - . 0403 - . 0403 - . 1568 - . 1998 - . 1998 - . 5026 - . 3282 - . 1539 - . 0283 - . 3204 - . 1057 - . 10687 - . 10687 - . 2008 - . 2290 - . 1181 - . 1057 - . 1181 - . 2005 - . 2005 - . 2005 - . 2005 - . 2005 - . 2005 - . 2005 - . 2005 - . 2005 - . 2005 - . 3956

-.3112 -.3302 -.1640 -.0729 -.0374 -.0803 -.1586 .4014 .2686 .2353 -.0793 -.2683 4249 4249 2905 11709 2606 1130 1130 1130 1130 11582 11582 11695 11 7.151. 7.24.38 7.26.6. 7.37.4. 7.37.6. 7.05.9. 7.05 . 0518 . 1911 . 1911 . 3122 . 2050 . 2054 . 1906 . 2708 . 2708 . 2708 . 2863 . 0554 . 0555 . 0556 . 0556 . 0556 . 0556 -.2315 -.2084 -.1763 -.1673 -.1827 -.2421 -.2450 -.2137 -.1932 -.1984 -.1984 -.2569 -. 2991 -.3370 -.0417 .0117 .0650 .1027 .1357 .1313 .1202 .0854 .0379 .-.0110 . 4218 . 4699 . 5323 . 5728 . 5729 . 6171 . 6171 . 6171 . 5937 . 5937 . 3731 . 3731 . 3731 . 3731 . 3731 . 2231 . 2233 . 2233

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-.3590 -.1763 -. 3401 -.3813 -.3882 -.3284 -. 1318 -. 1512 -. 1609 -. 1676 -. 1510 -. 1239 -. 0929 -. 1635 36.000 72.000 90.000 108.000 126.000 162.000 199.000 236.000 235.000 288.000 305.000 324.000 342.000 350.000 378.000

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.6582 .6582 .7936 .7871 .7935 .1161 .3515 .3518 . 4869 . 6195 . 6230 . 5789 . 5789 . 2770 . 2598 . 1817 .000 18.000 36.000 54.000 72.000 90.000 91.09.000 126.000

ORIGINAL PAGE MOOF POOR QUALITY

R82T063

HSFC 567(1A32F) 19 53/2 53/2 03 US EXTERNAL TANK

MACH (4) = 1.250 BETA (1) = -8.000

SECTION (1) EXTERMAL TANK DEPENDENT VARIABLE

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162.000 .0M53 .1273
180.000 .0M53 .1273
180.000 .0M16 .1281
198.000 .0M12 .1612
216.000 .1172 .2189
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7.000 BETA (2) = .. 80. TACH (1)

.7085 .6408 .5732 5055 .4378 .3816 88¥. DEPENDENT VARIABLE CP .3139 .e707 . R34. . 1550 SECTION (1) EXTERNAL .0757 K/T

9439 -.013+ -.0117 -.0150 -.0265 -.03.4 -. 0883 -. 0490 -. 0490 -. 0490 -. 0410 -. 0293 -. 0293 -. 0193 -. 0294 -. 0341 -. 0341 -. 0341 -. 0341 -.1118 -. 1405 -. 1340 -. 0893 -.0092 -.0020 -.0297 -.0388 -.0180 -.0546 -.0250 -.0250 -.0250 -.0250 -.0250 -.0250 -.0250 -.0024 .0178 -.0273 -.0436 -.0210 -.0106 .0005 -.0307 -.0699 -.0789 -.1031 -.0807 -.0532 -.0307 -.0553 -.1019 -.1331 -.1078 -.1476 - 3466 - 3404 - 2487 - 0832 - 0838 - 033 - 033 - 033 - 033 - 059 - 1727 - 1626 - 1727 - 1626 - 153 - 1659 -.1537 .1916 -.0244 -.2610 -.2243 -.0689 -.0118 -.2552 -.11*27* -.0786 -.1896 .1069 .1018 -.0236 9.9990 .2790 . 5651 . 3441 . 1152 . 1152 . 1153 . 1163 . 1166 . 1166 . 1166 . 1160 . 1160 . 1160 . 1160 . 1160 . 1160 . 1160 -.355+ .1571 .3539 2814 2775 2775 2646 3646 3646 3646 -1666 -1664 -1166 3578 3578 3578 2595 1580 1580 1580 - 222. - 2142. - 2074. - 1104. 1104. - 1107. - 1637. - 273. - 273. - 2763. - 2763. - 2763. - 2763. - 2763. - 2763. - 2763. -.0805 -.0955 -.1209 - 2980 - 2837 - 2636 - 2395 - 2464 - 2395 - 2464 - 2693 - 3076 - 3148 - 3158 -.3501 -.3400 -.2423 -.3100 - 2133 - 2787 - 2787 - 2589 - 2539 - 2539 - 2539 - 2539 - 2595 - 3695 - 3741 - 3305 - 3402 - 3514 -.3624 -.3531 -.3543 -.3486 -.3483 . 000% . 0236 . 0382 . 0382 . 0512 . 0436 . 0003 . 0832 . 0932 . 0932 . 0932 . 0932 -.1004 -.0990 -.0902 -.0744 . 4386 . 4386 . 4889 . 4889 . 4883 . 4883 . 4883 . 4883 . 4882 . 3982 . 3398 . 3371 . 3183 . 3371 . 3384 . 3371 . 3384 . 72.000 90.000 108.000 126.000 144.000 1462.000 1490.000 156.000 234.000 235.000 235.000 335.000 335.000 335.000 3378.000 3378.000 3378.000 3378.000 3378.000 3378.000 3378.000 3378.000 3378.000 3378.000 3378.000 3378.000

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ZX MSFC 567(1A32F) 19 53/2 53/2 03 US EXTERNAL DEPENDENT VARIABLE CP 90.7 <u>@</u> **BETA** SECTION (1) EXTERNAL TANK .. 8 TACH C #3

K/L1

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된 22.009 PTA 8 MACH (1)

DEPENDENT VARIABLE CP SECTION I DEXTERNAL TANK

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(RB2T06)

HSFC 567(1A32F) 19 53/2 53/2 03 US EXTERNAL TANK

-.0577 -.0582 -.0282 -.0059 300 -.0560 -.0769 -.0831 -.0973 .7085 .0001 -.0078 -.0433 .6±08 -.0072 -.0143 -.0952 -.0969 -.0677 -.0536 5732 -.0932 -.1884 -.2769 -.3689 .5055 .4378 .0129 .1211 .0438 .1151 .1151 .1151 - 4152 - 0822 - 3629 - 4494 - 5952 38.6 ₩. .3527 .3631 .3510 .4056 DEPENDENT VARIABLE 3139 .3203 .3203 .2492 .2136 .2005 .0579 -.1508 -.1715 -.1417 . 2707 - 2863 - 2877 - 3013 - 3013 .2317 3 -.3156 -.3147 -.3186 -.3179 . 2203 SECTION (I) EXTERNAL TANK -.0314 -.0302 -.0320 . . -.027 1701. 13364. 13364. 15110. .9836 .. 80: 4146 4062 4094 4116 4238 **C573** . 3820 . 3820 . 3820 . 3820 . 3823 . 3823 . 1965 . 1965 . 1965 . 1965 . 1965 . 1965 . 1965 . 1965 . 1965 . 1965 . 1965 1612 1985 2482 3845 3845 3850 3860 1880 MACH (%) 206.000 306.000 324.000 342.000 360.023 378.000 18.000 38.000 72.000 94.000 100.000 100.000 1162.000 1162.000 1162.000 1162.000 1163 X/LT

8 8 2992. 8281. 8281. 1881. -.1093 -.0314 -.0225 -.0150 -.0117 . 1763 ş -. 0843 -. 1340 -. 1405 -. 1118 -. 0794 . 7083 6.6880 -.0101 -.0666 -.0557 -.0273 . 6408 -.1160 -.1476 -.1078 -.1331 .5732 -.4686 -.4129 -.2988 -.2498 -.1568 .5055 £2. -.023**6** -.0214 .1018 . 3568 . 4410 . 3539 . . 3564 . . 3564 3616 5 85Å. .3560 .3360 .3360 .3362 .3362 .3810 VARIABLE CP .3139 .1580 .1580 .2045 .2702 .2702 .2703 .2707 -.2290 -.1209 -.0955 -.0005 -.0085 **4**.000 . 23×7 EETA (%) = . 2203 - 3001 - 3213 - 923 - 926 - 353 I DEXTERNAL TANK . 1550 -.0321 -.0521 -.0744 -.0902 -.0990 -80:-.0757 HACH C * . 000 16.000 35.000 72.000 90.000 SECTION

(RB2T06)

MSFC 567(1A32F) 19 53/2 53/2 03 US EXTERNAL TANK

MACH (4) . 1.250 BETA (4) . 4.000

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| 1882 - 1882 - 1883 - | X/LT | rero. | 1950 | . 2203 | . 23v7 | .2707 | 3130 | 86×6. | 30.00 | 4378 | .9095 | .5732 | 9040 | . 7085 | .7:62 | .0439 |
| 1371 - 0000 - 00 | ž | | | | | | | | | | | | | | | |
| 1887 - 1088 - 1 | B. 000 | .3183 | 8 | - W. | - 350 | .0210 | 3578 | 2009. | - 4800 | 1886 | 0863 | 052 | 0161 | 033 | 0090 | 0070. |
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| 1,000 1,005 1,00 | 2.000 | 3768 | 0562 | 3305 | 3148 | | . 169 | .0797 | .1866 | 0207 | 1826 | 1031 | 0958 | .0095 | .0039 | .0013 |
| 0.00 | 000.0 | .+050 | 0337 | 3138 | 2995 | | -,2086 | . 1302 | .1755 | 0033 | 1826 | - 106¥ | 0198 | .0081 | .0108 | - 329B |
| 0.00 | 9.000 | \$05¢. | 0197 | 3029 | 2893 | | .0594 | . 1883 | .0839 | 0689 | 1224 | 0789 | 0355 | 9810 | 0062 | 9000. |
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| 1972 1973 1973 1974 1975 1973 | . 000 | .¥836 | .0212 | 2730 | 2606 | 1637 | .1666 | | 1873 | 2610 | 0332 | 0069 | . 0135 | 0191 | 0141 | 1.40日 |
| 0.00 | 2.000 | 1964 | .0391 | 2609 | - 26g | .0777 | .3643 | K | 3168 | 2552 | 0865 | 0524 | - C161 | 0125 | 0080 | 00:0 |
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| 000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 9.000 | .5172 | .0512 | 2380 | 3115 | <u>\$</u> | .4395 | 3248 | 01111- | 024 | .0029 | 0106 | 0180 | 0282 | 0253 | 38 |
| .000 | S. 000 | £964 | .0382 | 2019 | :00: | 1+39 | 57.75 | .3012 | .0152 | 1916 | 0832 | 0210 | 0388 | 0170 | 0352 | 2007 |
| .000 .997 .0099998 .9890909 9.9990909 9.9990909 9.0990909 9.9990 9.9990909 9.9990 9.9990909 9.9990909 9.9990909 9.9990909 9.9990909 9.9990909 9.9990909 9.9990909 9.9990909 9.9990909 9.9990 | .000 | 4939 | .0236 | 2787 | 2656 | 2074 | .2381 | .3918 | | .1537 | P487 | 0436 | 0297 | 0403 | 0120 | 3109 |
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| 6.5280 | | .8139 | | 200 | 1853 | . 1837 | 1779 | . 1679 | . 1206 | .0398 | .0057 | 0312 | D449 | 0940 | 0374 | 0179 | .0327 | . 2398 | 1591 | .2753 | 3110 | 3185 | .3057 | .2255 | |
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| • | | .7762 | | £ 75. | 1351 | 0259 | 0069 | 0122 | 0650 | 0234 | 0268 | 0206 | 0276 | 0405 | 0529 | 0509 | "115 | 五 | .0150 | 54.60 | . 0341 | .0317 | £700. | P. 2479 | |
| A2. | | . 1095 | | 1942 | - : 7g | 1745 | 1575 | 1239 | 0907 | 0243 | 0151 | 0035 | 0508 | 0500 | 0421 | 0459 | 0102 | 0243 | 0065 | 0076 | 0334 | 0400 | 0729 | 15% | |
| 6.6380 | | . 6 408 | | 1326 | 1231 | 1222 | 0779 | 058± | 047 | 0257 | 0257 | 0245 | 0576 | 0900 | ₹.07° | O448 | 0125 | 0257 | 0655 | -0±0± | .0032 | 0282 | 1980. | 1326 | |
| ž | | .5732 | | 2416 | 2592 | 1847 | - 1784 | 1406 | 1108 | 0899 | 0982 | 1099 | 1568 | 1361 | 0874 | 0409 | 0114 | 0899 | 0545 | .0767 | .0750 | .0381 | - 1248 | - 2416 | |
| 22.009 | | 5025 | | 5206 | 4821 | 3456 | 2949 | 2005 | 1181 | 1294 | 2290 | 2111 | 2002 | 1572 | 0687 | 0176 | 0380 | 129t | 3204 | . 0983 | . 0259 | 1539 | 3282 | . 5206 | |
| . 55 | | .4378 | | | 1781 | 0648 | 1611. | . 12%2 | | | | | | | | | | 2683 | | | . 2353 | . 2686 | +10+ | 9.990 | 1781 |
| ٧žd | | .3816 | | .5310 | .3806 | .2973 | . 1768 | 279 | 4189 | 4293 | .0129 | £ . | .1615 | .0698 | 0699 | 1155 | 2261 | 5168 | 5656 | 4791 | 0935 | £88. | . 5029 | .53:0 | Ì |
| 9.2830 | are co | . 3499 | | L 2554. | .3357 | .2968 | . 2239 | .3759 | .6073 | .3029 | . 1645 | . 1685 | 0106 | 0181 | . 1582 | . 1049 | .1130 | .2606 | .6200 | .2986 | 1709 | 2906 | 9424 | 7554. | |
| • | DEPENDENT VARIABLE | .3139 | | 1.58 | . 1667 | . 1393 | . 1445 | .2967 | 5448 | .2796 | .1126 | 0058 | 1772 | 2207 | 0299 | .0700 | .2066 | 3744 | .5678 | ,¥296 | £38 | .1517 | .1519 | .1458 | |
| 8.000 a | DEPENDE | rora. | | 2173 | 2220 | 0467 | 0574 | 0595 | 0266 | 0524 | 2530 | 2863 | 2787 | 2586 | ٠. ين | ·. | ₹
: | .2050 | .3122 | 191 | 0518 | 1725 | 228t | 2173 | |
| • | | .2347 | | 3007 | 3068 | 3040 | 2837 | 2752 | 2870 | 3590 | 3±01 | 3474 | 3432 | 3139 | 2885 | 2421 | 2045 | 1827 | 1673 | 2752 | 2084 | 2315 | 2737 | 3007 | |
| 8ETA (5) | | . 2203 | | 3188 | 3515 | 3126 | 2860 | 2875 | 3284 | 3979 | 3882 | 3813 | 3617 | 3316 | - 239 | 2569 | 2235 | 1984 | 1892 | 1932 | 2137 | 2450 | 2831 | 3188 | |
| | NAL TANK | . 1550 | | 0460 | 0929 | 1238 | 1510 | 1635 | 1676 | 1609 | 1512 | 1318 | 0950 | - 873 | 0110 | .0379 | .0954 | . 1202 | . 1313 | .1357 | .102 | .0650 | 7110. | 0460 | |
| . 1.250 | 1 : EXTER | 7570. | | .3933 | | 2850 | | | | | | | | | | | | | | | | | | | |
| MACH (4) | SECTION (1) EXTERNAL | X/LT | ī | 000 | 18.000 | 36.000 | ₩.000 | 72.000 | 90.000 | 109.000 | 126.000 | 144.000 | 162.000 | 180.000 | 198.000 | 216.000 | 234.000 | 252.000 | 273.000 | 288.000 | 3C6.000 | 324.000 | 342.000 | 350.000 | 378.000 |

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- 2095. - 2096. - 1259 .8636 .2538 .2538 .2759 .2759 .2023 .1139 .1113 .0045 .0032 .0032 .0032 .0045 .0045 .0045 .0045 .0045 .0045 .0045 .0045 .0045 PH1
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SECTION (1) EXTERNAL TANK

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PTA **-9**.000 ETA 1 1) • 9889. 9879.-3.500 .6195 .4813 HACH : 53 342.000 350.000

DEPENDENT VARIABLE CP SECTION (1) EXTERNAL TANK

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. 0320 . 0592 . 0508 . 0142 . . 0294 . . 0330 . . 0276 . . 0276 . . 0276 . . 0276 . . 0276 . . 0276 . . 0276 . . 0276 . . 0330 5055 . 1289 . 1813 . 1813 . 0349 . 0341 . 0476 . 0476 . 0060 . 0060 . 0060 . 0035 . 0035 . 0035 . 0035 . 0036 . .4378 .2693 .0954 .0964 -.0002 -.0259 .0460 .0393 .0105 .0104 .0195 -.0165 .3816 . **3**499 . 0629 . 0897 . 0987 . 3762 . 3762 . 3769 . 0893 . 0054 . 0073 . 0063 . 1303 . .0315 .0290 .0290 .4170 .0170 .0290 .0170 .0160 .0160 .0160 .0160 .0160 .0160 .0160 .3139 .2707 C#59. .0198 .0149 .0261 .0386 .0494 .0514 .0474 .0352 .0200 .0003 .2203 .0203 .0203 .0301 .0460 .0460 .0568 .0592 .0409 .0409 .0604 . 550 11911 11936 11936 11911 1276 1276 11930 11750 11 5961 6418 6357 6198

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| Color Colo | 54.000 | 2645 | E : 3 | 0104 | 0030 | - 0020 | . 0075 | 36. | 3/cn . | ng d | 5000 | 20.00 | 0000 | , | 2023 | 5525 |
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| Control Cont | 270.000 | .6357 | . 24B7 | 26CO. | t is | C40. | | | 190 | 2000 | 1460 | - 0293 | 0.404 | (1)
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| 1995 | 288.000 | 64 10 | E T | .0568 | 0070 | .0405 | . 07 I | . s. | 200 | | 100 | 0110 | 1 6 | | 3 | 1 |
| 1000 1836 1836 1836 1837 1833 18893 18813 1893 1893 1893 1893 18 | 305.000 | .5961 | .22.0 | .0450 | .0386 | .0311 | .0572 | .0693 | 2552 | # P | D*CO. | 3610. | 2 6 | | | |
| | 324.030 | 16 m. | 1161. | .0301 | .0 <u>26</u> | .0179 | .0453 | .0927 | . 1553 | . 2693 | 1813 | 3000 | h [| | 7 | 1 () |
| 1916 1935 1966 1966 1967 1939 1967 1939 1967 1939 1967 1939 1967 1939 1967 1939 1967 1939 | 342.003 | 6684 | . 1536 | .0203 | 6+10 | .0098 | .0291 | .0897 | | . 2250 | . 1289 | ייים
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7.170. | 199,003 | 0317 | 0.
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25.20.1 | 216.000 | 014B | . 0832 | | | | | | | | | | | | | |
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4160.
7170. | 234.003 | 6900 . | .0558 | | | | | | | | | | | | | |
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7170. | 252.000 | E 10'- | .0557 | | | | | | | | | | | | | |
| 7170. | 550 076 | 4180 | .0593 | | | | | | | | | | | | | |
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| X | 1000 | 101 | 2500 | | | | | | | | | | | | | |
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100 - 000 | 2001 | 0000 | | | | | | | | | | | | | |

DATE OS SEP 75

TABILATED SOUNCE DATA, HSFC THT 567 (1A32F)

NSFC 567(1A32F) T9 53/2 53/2 03 U5 EXTERNAL TANK

SECTION (:) EXTERNAL TANK

MACH (5) = 3.500 BETA (5) = 8.000

.9116 X/LT

.13% -.0v73 PH1 342.000 360.000

DEPENDENT VARIABLE CP

(RB2T06)

PAGE 261

MSFC 56711A32F) T9 53/2 53/2 03 SRM BOOSTER

| | 000.
000.
000. | 17.238 | | 10 | | on o | u - | · 10 | cu | a | | on . | m · | . | וי מ | ~ r | ก - | ~ r | u - | - on | 17.238 | | G | , | | ш - | - r | | . ~ | | 6 | • | | • |
|-----------------|--|------------|-------------------------|--------|---|--------|----------------------------|--------|--------|---------|------------|-------|---------|----------|---------|------------|------------|------------------|---------|----------------|--------|-------------------------|--------|----|--------------|--------|----------------------------------|--------|-------|--------|-------|-------|--------|----------|
| | 1 1 1
0 K U | • | | . 9555 | | 1319 | 3 2 2 2 | .1175 | .0372 | 0202 | 0361 | 0289 | 0563 | 0.11. | | | 51/13 | 6360 | U.S. | 1319 | | | . 9555 | ļ | 1328 | 9 6 | 10/1: | .0613 | .0177 | .0018 | 9400. | 0139 | .0730 | . 2269 |
| DATA | CONF 10
RUDDER
ORBINC | PSA | | .9122 | | . 3221 | ביוני.
נקפט | .2129 | .1422 | .0829 | .0654 | .0689 | .0530 | . 1913 | 90/1. | 3 F | C/ 100 | Č C | . 50 S. | 3221 | PSA | | .9122 | i | . 4 E | 9010 | ָּהָ הַּלְּיִּהְ
הַיִּהְיִּהְ | 1782 | 861 | 1950. | .0957 | .0701 | . 1495 | .1757 |
| PARAMETRIC DATA | 000. | 5.0011 | | .883 | ! | . 1903 | 7361. | 1166 | 0890 | .0538 | .0495 | .0486 | . 0266 | .0377 | , olb , | 1021 | 0 000 | - 0690
- 0690 | 86CO. | F061 | 5.0011 | | ₩834 | | . 1850 | 900 | 10/1: | 1020 | .0802 | .0751 | .0734 | .0480 | .0447 | .0010 |
| | 7 7 7 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 | •
ਵ | | .7653 | ; | 5792 | 064C- | 5131 | 4701 | 4745 | 4830 | 4733 | 4507 | 4671 | • | • | | • | 7355 | 5792 | | | . 7653 | | 5341
5341 | 1010. | 1,487e | 4004 | 4352 | 44B2 | 4376 | 4125 | 4200 | 4931 |
| | BETA
DELTAZ
X-SRB | | | .6570 | | | 2202 | | | | | • | | _ | • | • | | | | . 0501 | | | .6570 | | | | . 3//E. | | | - | | | | 020:- |
| | | • 22.010 | | .5¥88 | | | 5451 | - 2839 | 2760 | | | | | | | 0457 | 0767 | | _ | 1010 | તાં | | .5488 | | | | | | | | | | | 0370 |
| | | AT4 | | .4405 | | | 1,1400 | - 2919 | 2.5 | 2269 | | | 1640 | | | . 0325
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 | | | 0580 | | | .4405 | | | | . C+/ | | | | | | | 0334 |
| | | 4.3618 | רב כם | .3323 | | | - 1829
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- 1829 | 3148 | | | | | | | | | 6960 | 0167 | _ | UUB1 | | do
J | .3323 | | | | 7881 | | | | | · | | . 0370 |
| | | • | T VARIAB | . R240 | | | . 1785
8 9 | 9162 | | | 2551 | | 2557 | 3748 | 4733 | 4575 | 4533 | 2190 | 0687 | 0431 | | r variab | .2240 | | | | | | · | _ | | | | . 1774 |
| | 2.5490 IN.
.9720 IN.
.0000 IN. | 000 | DEPENDENT VARIABLE CP | 1518 | | | | 1962 | | | 2621 | | | | | | | | | | | DEPENDENT VARIABLE CP | . 1518 | | | | | | | | | | | 2928 - |
| | vi
நம்ம் | -10.000 | _ | .1158 | | | | E/08. | | . 9468 | | 8823 | . 9830 | | | | | - ,4926 | - 29t2 | 2839
- 4863 | | • | .1158 | | | | - 7702 | | | | | | | - 9146 - |
| ۷. | 2 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | ALPHA (1) | | . 1013 | | | | C 5 | | 1964 | . 6764 | 4972 | . 4965 | • | | .9855 | ٠ | | | . 1941. | 20 | | .1013 | | | 1206 | 2398 | . BORD | | 191 | 4504 | 1651 | 5182 | - 6059 - |
| REFERENCE DATA | SO. IN.
IN.
IN.
SCALE | .600 AL | OSTER | .0722 | | | | .0433 | 90 | | 2490 | 2472 | 2487 | 3033 | +121- | | 2293 | | .4183 | .4463 | | DSTER | .0722 | | | | . 0340 | 982 | | - 1885 | | | | - 3272 |
| REFER | 6.1980 S0.1N.
5.3130 1N.
5.3130 1N.
.0040 SCALE | e, | SECTION (1)SPM BOOSTER | .0+33 | | .4680 | .3318 | G++1. | 7901 | | - 165
- | | | 2187 | 2728 | | - 1287 | | 8714 | .5265 | . 609. | SECTION (1)SRM BOOSTER | .0433 | | .4216 | . 3085 | .1538 | 0.00 | | 0973 | | | | |
| | SREF • LREF • BREF • SCALE • | MACH (1) | 0 NO II | X/LS | ĩ | .000 | 22.500 | 45.000 | 000.70 | 112.500 | | | 183.000 | | 225.000 | | | 292.500 | 315.000 | 337.500 | _ = | 0 NO LL | X/LS | F. | 300. | 22.500 | 45.000 | 57.500 | | | | | | 225.000 |

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| DATE OS SEP 75 | ls. | | | TABLE | ATED SOU | ACE DATA | . MSFC T | TABILATED SOUNCE DATA, HSFC THT 567 (LA33F) | (Y3SL) | | | | | PAGE | 563 |
|--------------------------------------|----------------|----------------|-------------------------|----------------------------|------------------------------|------------------------------|-----------------------|---|------------------------|-----------------------|--------------|--------------------------------------|---------------------------------|--|------------|
| | | | | Ā | HSFC 96711A32F) T9 53/2 53/2 | 32F.) T9 | 53/2 53/1 | 8 | SAM BOOSTER | 5 | | (RB2501) | = | | |
| MACH (1) | • | W 009. | ALPHU (2) | • | -8.000 | | | | | | | | | | |
| SECTION (1)58N 80051 | 08 HB/S (1 | OSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | .1013 | 961 | . 1518 | .2240 | . 1323 | C011. | 83
46 | .6570 | .7653 | . 883± | .9122 | . 8535 | |
| PH1
292.500
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337.500 | *164.
7854. | 2007.
2007. | .0789
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0130 | .0000
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9.9990
0440 | 0070
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0359 | .0360
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0342 | | . 0263
. 0557
. 1752
. 1850 | . 2957 -
. 2957 -
. 37581 | .1157
0272
.0505
.1328 | |
| MACH (1) | | 3 | ALPHA (3) | • | -5.000 a | • | 4.3618 | PTA | 8 | S2.010 | ٠
و | 5.0011 | PSA | • | 17.238 |
| SECTION (1) STAY BOOSTER | 08 1855 1 | OSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X//S | . 0433 | .0722 | . 1013 | . 158 | . 1518 | .2240 | .3323 | £0\$ | 94.68 | .6570 | .7653 | .8834 | .9122 | 666 | |
| Ē | | | • | : | , | ; | į | | | | 1 | | | į | |
| 000. | 2858
2808 | 1539 | .157 | 6145
5847 | 064
1092 | 0493 | 075 | 0218 | 0120 | 0673 | 4265 | 1881. | . 2939
4105. | 269
269
269 | |
| 45.000 | .1834 | .0812 | 2217 | 1.594 | 1391 | 1124 | 0991 | 0831 | 0795 | 0831 | 4088 | . 1886 | .2738 | .1655 | |
| 67.500
90.000 | 200 | 0324 | 2789 | 630
849 | 1570 | 1250 | 1072 | 0876 | 0867
0849 | 0876 | 3956 | . 1669 | ري.
18 هر ين | .1197 | |
| 112.500 | | | 3395 | 8606 | 1567 | 1176 | 0909 | 0723 | 0678 | 0421 | 3555 | . 1469 | .2090 | 5760. | |
| 135.000 | | 0877 | 3559 | 8746 | | 1073 | 0725 | 0565 | 0511 | 0378 | 3777 | 8621 | . 1824
 | .082 | |
| 180.000 | . 9200 | 1170 | 3911 | 8761 | 1276 | 1534 | 0413 | 0297 | 9.9990 | 0360 | 3252 | .0858 | 1250 | .0734 | |
| | | 1428 | +364 | 8939 | 1250 | 2567 | 0289 | 0208 | 0235 | 0119 | 3355 | .0661 | . 1342 | 1051 | |
| 225.000 | - 611 | 1588 | 55278 | 8983 | 1632 | 4765 | 0226 | 011 | 0146 | .0066
JAPE 0 | - 3999 | . 0164
5010 | . 1428
1715 | 7161. | |
| 270.000 | .1589 | 3660 | - | -1.1968 | 2329 | 4592 | 0432 | 0156 | 0111 | .0654 | - | 0175 | ₹ <u>.</u> | 1498 | |
| 292.500 | | | .0369 | 7060 | €70. | 2466 | 0129 | 9900. | -600· | .0572 | | 0128 | .08÷1 | 6101 | |
| 315.000 | 0400 | 3270 | . 0093 | 5005 | .043!
F100 - | 1027
- 0564 | +500 | .0129
0000 | 3 3 3 3 | .0271 | 6115
4805 | . 0583 | 468.
57. E | 1610. | |
| 350.000 | 3452 | .2243 | 0795 | 6145 | 064 | 0%93 | 0431 | 0218 | 0120 | 024 | 4437 | | .2939 | .1280 | |
| MACH (1) | e
S | .600 A | ALPHA (4) | | -2.000 0 | • | 4.3618 | PTA | • | 22.010 | <u>.</u> | 5.0011 | 8 | • | 17.238 |
| SECTION (1)5PM B005TER | 108 MBC C | OSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | 9517 | . 1518 | .2240 | .3323 | 4405 | 9.
8. | .6570 | .7653 | . BP.34 | .9122 | . 9555 | |
| E | | ĺ | | | | | | • | | į | į | | į | į | |
| | Ç ā | 9 6 | 200 | 77. | 200 | | | - 0.40
Reco | 300 · | | 7887 | 7001. | Č ž | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | |
| 45.000 | | 8 | - 2290 | 7836 | - 100 · | | 8 | 0355 | 0200 | 0119 | - 3545 | 6861 | .282 | 246 | |
| 67.500 | | | 2585 | 8051 | 104 | - 0835 | 0439 | 0279 | 0207 | 0127 | 3469 | 1989 | .2828 | .1523 | |
| 90.00 | 990 | 8 60. | 2633
290? | 8122
8347 | | 050
0563 | 0405 | 0227 | | 0111 | 3286 | 9861. | .2669 | 1 9 | |
| 135.000 | | 0092 | 3015 | 7186 | - 1135 | 0565 | 0288 | 0181 | 9146 | 0012 | 2951 | | .2461 | ** | |
| 157.500 | . 8480. | 6030 - | 3890 | 6514 | 1293 | 0520 | 02-5 | 0111 | 0102 | .0005 | 2951 | . 1666 | . 2389 | 06*1. | |

| (R82501) | | | .7853 . 8634 . 9122 . 9555 | .2843 .1108 .1909. | .059+ .1656 | 9411. 3510. | 0120 .0950 | 501. 1110 | 0139 .0784 | | 8/2. 5041. | .3917 .1607 .2560 .1091 | RL = 5.0011 PSA = 17 | | .7653 .8834 9122 .9555 | | • | | . 1859 . 2539 | 36₹2. ₹61. | ₽6%. €105. | 212. 7215. | 1:01: 203. 1213. 5885 | 0822. 0181 | .0536 .1815 | .0124 | • | .0031 .113+ | 0027 .0867 | 1050. | .1249. 6451. | . 2260 |
|----------------------------------|------------|--------------------------|----------------------------|--------------------|-------------|--------------|------------|-----------|------------|---------|-----------------|-------------------------|----------------------|--------------------------|------------------------|--|--------|---------------|---------------|----------------|------------|---------------|-----------------------|------------|-------------|---------|----------|-------------|------------|---------|--------------|---------|
| 5 | | | .6570 | 65.00 | .010 | .020 | | | | | . 02 0 4 | ¥600°. | 22.010 | | .6570 | | .0312 | <u>4</u> 0.0. | . 0222 | .0176 | .0150 | .0 <u>₹</u> 7 | .0.56
5.51
5.51 | 9 | 0.67 | 0.95 | .0619 | .0895 | .0842 | .0606 | .0473 | .0312 |
| SAM BOOSTER | | | 8 8 | 0000 | 0048 | 0056 | 0029 | 8700. | .0193 | . 0263 | <u>8</u> | .0032 | 8 | | .5±88 | | .0168 | .0123 | . 0069 | S00. | . 0025 | . 00×2 | SE00. | | - 0002 | 0001 | *** | .000 | .0295 | .0302 | . 0293 | .0168 |
| £0 83 | | | 507. | 600 | . 0093 | 2600 | 0137 | 0076 | .0032 | . 0065 | 9 .9993 | 0145 | PTA | | . * * 05 | | 0091 | - 0082 | | | 0082 | | | BC 00 | | | | 0029 | M+00. | • | | 1600 |
| MSFC 567(11A3EF) T9 53/2 53/2 03 | | ABLE CP | .3353 | 0160 | | | | | 0262 | 0174 | 0226 | | 4.3618 | ABLE CP | .3323 | | 0378 | | | • | 0252 | 0172 | | | 0 0 0 | | | • | | • | | 0378 |
| (32F) T9 | | DEPENDENT VARIABLE OF | .2240 | į | 40.0. | | | | | 0844 | 0602 | | • | DEPENDENT VARIABLE CP | .2240 | | - 052 | | • | | | | | | 0.00 · | | | | · | | | • |
| rc 567 (1) | -2.000 | DEPEND | . 1518 | • | | • | | | | ٠ | 0396 | • | 000 | CN3d30 | . 1518 | | 9780 | | | • | • | · | • | • | * | | | | | • | • | |
| ¥ | • | | | i | | CC/W. | 1 | | | | | 7214 | • | | | | , T | | | | | | | | | 2 6 | • | | | | | - |
| | ALPHA (%) | | . 1013 | ! | • | • | C124. | 0460 | 0.467 | | | • | ALPHA (5) | | . 1013 | | - 2002 | | • | | • | | | | • | | 20202 | | • | | • | • |
| | , 600 | BOOSTER | .0722 | | | | S. | 200 | | L. F. | • | | 009 | BOOSTER | .0722 | | | • | S 40 | • | 6420 | | • | | • | • | 5 | 225 | - | 1823 | | |
| <u>}</u> | • | 1 19391 | .933 | | 5770. | 66.89 | 8 | 2 | | 7.00 | 9 | S C | • | 1855 | .0433 | | į | | 1,41. | | BUC I | | <i>T</i> ::: | . 1200 | .1316 | 583 | B | 2000 | 9 | 978 | E64. | 1982 |
| | MACH (1) | SECTION (1) SPM BOOSTER | X.4.S | ī | 180.000 | 202.500 | 225.000 | 27.500 | 200.000 | 315 000 | 227 800 | 350.000 | MACH (1) | SECTION (1) SAN BOOSTER | X/LS | | Ŧ | | 22.500 | 43.00
63.60 | 000.70 | 112.500 | 135.000 | 157.500 | 180.000 | 202.500 | 225.000 | 247.500 | 200.003 | 338.500 | 313.003 | 350.000 |

| (14357) | SRM BOOSTER |
|---|---------------------------------|
| TABULATED SOURCE DATA, MSFC THT 567 (1A3GF) | MSFC 567(1A32F) T9 53/2 53/2 03 |
| DATE '05 SEP 75 | |

| 8 | ? | | | • | | 2 | MEET MENIATOR'S TO 61/2 53/2 03 | | SRM BOOSTER | ge, | | (RB2501) | 2 | | |
|--------------------------|----------|---------|-------------------|-----------------|---------|-----------------------|---------------------------------|----------|-----------------|--------|---------|----------------|----------------|-----------------|--------|
| | | | | | ¥ | | | 1 | 8 | 5 | ă | 100 8 | 5 | | 17.238 |
| MACH (1) | • | .600 AL | ALPHA (6) | • | 2.000 0 | • | 4.3818 | Y id. | • CE.010 | 2 | | | | | } |
| SECTION (1) STAN BOOS | D STAN E | OOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | .1013 | 9511. | .1518 | .2240 | .3323 | \$044. | .5±88 | .6570 | .7653 | .8834 | .9122 | .8658 | |
| ī | | | | | į | | | 9 | Į, | 1010 | 2012 | 1276 | 1958 | .0621 | |
| 000 | 1320 | 9820 | - 2638 | 1.8171 | 950 | - 0269 | 5 | | 1000. | 9 | 4182 | 1489 | .2117 | .0971 | |
| 22.500 | . 1200 | .0206 | 269 | 6371 | 1001 | 0500. | - 0316 | | 100 | 51.40 | -,3119 | .1678 | .2202 | 1001. | |
| 45.000 | . 1151 | .0234 | - 2807 | 2/2/ | 200 | 0459 | .0280 | 0112 | 010 | .0349 | 2969 | .1796 | .2239 | .0980 | |
| 67.500 | | | | | | - 97.5
87.5 | - 025 | 0103 | 1600 | .0312 | 2838 | .1896 | .2338 | #:: | |
| 90.000 | .1175 | c S | 18/3. | . P420 | 6601 | 0476 | 0281 | 0138 | .0030 | .0306 | -, 2889 | .2033 | .2672 | 3 | |
| 175 000 | 6941 | 0347 | - 2537 | 832 | - 109 | 0466 | 0245 | 0139 | .0020 | .0206 | ٠
ر | 5.15. | 949 | #C9! . | |
| 157.500 | 1608 | 57.0. | 2552 | 8655 | 1221 | 0458 | 025t | 0139 | 0015 | .0135 | 962. | .2155
1615 | . 3166
2666 | 2046 | |
| 160.000 | . 1962 | €90. | 2419 | 8282 | 1070 | 0512 | 0148 | 0000 | 966. 6 | 5500. | | 0878 | 2108 | .215. | |
| 202.500 | .2152 | .0873 |
0150 | 8720 | . 1089 | 0636 | 1 4 CO 1 | -,0058 | .0082 | 3 - | 4006 | .0210 | 1364 | .2224 | |
| 225.000 | .2463 | . 1308 | | C889 | C 1030 | 1693 | . 0227 | .000 | .0232 | .0763 | 2173 | 0032 | .1042 | .2090 | |
| 247.500 | | e de | 1900 | 1001 | 7870 | 2000 | 0315 | .0003 | .0321 | .1019 | 1071 | .0118 | .1157 | . 1219 | |
| 270.000 | . 2823 | i i | | 1.0625 | -,0086 | -, 1608 | 0298 | 0600. | .0453 | .1028 | 3218 | .0120 | .1123 | 1620. | |
| 292.500 | | 900 | | 6969 | 0760 | 1071 | 0378 | +900. | .0421 | .0769 | 4216 | .0580 | . 1957 | .0210 | |
| 315.000 | 2 6 | | 0972 | 8118 | | 0752 | - 0298 | 9.9990 | .0377 | .0661 | 3301 | . 1060 | .2108 | .0220 | |
| 357.500 | 1320 | | 2638 | 8171 | | 0289 | 0405 | 0129 | .0234 | .0483 | 3174 | . 1276 | . 1958 | .0621 | |
| 20.000 | : | | | | | | | | | , | | | 8 | - | 27.0 |
| MACH (1) | • | . 600 A | ALPHA (7) | | 5.000 0 | • | 4.3618 | ATA
A | - 22.010 | 0 | •
ਵ | | Š | | 963. |
| SECTION (1) SPM BOOSTER | 1885 | BOOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .072R | . 1013 | | .1518 | .2240 | .3323 | £04± | .5+68 | .6570 | . 7653 | .883⊭ | .9122 | . 9555 | |
| ā | | | | | | | | | | | , | | 9000 | ניצחשט | |
| 000 | 3.00 | 0431 | 30-5 | - 2595 | | 0325 | 0334 | 0053 | .0368 | 82/0. | 3000 | 0011 | 2217 | 66. | |
| 22.500 | . 0525 | i | 3300 | 73 | | 0623 | 0334 | E/00/- | 9250 | | 20.00 | 1485 | 9691 | .0368 | |
| 45.000 | . 0529 | 0379 | 92.5 | 1 | - 1058 | 0600 | 25.0 | 0620 | \$ 00. | 6440 | 2913 | 1489 | . 1582 | .07489 | |
| 67.500 | | Cate | 3000 | | - 1275 | 0791 | 0571 | 0422 | 0131 | .0308 | 2802 | . 1625 | .2028 | .0768 | |
| 112.500 | | • | 2685 | | 1290 | 0755 | • | 0483 | 0246 | .0236 | 2968 | .1899 | . 2523 | 1611. | |
| 135.000 | . 1625 | 9950 | 2310 | 8v:8 | | 0686 | • | 0456 | 02455 | . 0027 | 960. | יינים
גיל ל | 3507 | 2063 | |
| 157.500 | 2249 | • | 1993 | 8017 | | 0502 | | 0273 | 0.000 | 500. | 3000 | 2098 | 3253 | .2350 | |
| 180.000 | 86
80 | ٠ | 1627 | 7857 | 0879 | שלים.
מינים מינים | , 000.
0060 | 5110 | 0263 | .0439 | -,3364 | .1573 | . 2948 | .2622 | |
| 202.500 | .3193 | • | | 1,7,00
1,650 | | 7470 | • | .0087 | . 02+5 | .0562 | 4363 | .0+03 | .1749 | .2673 | |
| 203.000 | . 3030 | 1623. | -, 1631
- 0677 | - 8016 | | 1530 | 0052 | .0088 | .0369 | .0933 | 1773 | 0000. | .1043 | . 23k2 | |
| 747.500 | 2000 | 9110 | PBB - | -1.2527 | | 3716 | • | 0001 | .0429 | .1123 | 09¢B | .0097 | .1076 | .1005 | |
| 202 500 | . 5753 | • | **0* | -1.0969 | 1288 | 3885 | 0334 | 1,000 | .0530 | .1087 | 2393 | . 5280 | | .0755 | |
| 315.000 | 100 | 0259 | 3976 | 9298 | | 1839 | | .0113 | . 0579 | .0975 | 3763 | . 0604
070 | | 0105 | |
| 337.500 | .0762 | • | - 329 | 8617 | | 1018 | • | 9.9990 | .0543 | 199. | 2963 | 0/60. | 2000
RCCC | . 5044
0.544 | |
| 350.000 | \$ C. | · | 3316 | 8585 | 1109 | 0352 | 0334 | 0053 | .0369 | .0729 | 3010 | . 1 280 | . 6766 | 7 | |

ORIGINAL PAGE IS OF POOR QUALITY

| | ? | | | ¥ | rc 36711. | MSFC 56711A32F) 79 53/2 53/2 03 | 53/2 53/ | | SRH BOOSTER | E | | (1882501) | | | |
|--------------------------|---------------|--------|------------|----------|-----------|---------------------------------|----------|--------|--------------------|--------------|----------|---------------|----------|--------------------|--------|
| PACH (1) | | 909. | ALPHA (B) | • | 8.000 | • | 4.3618 | A14 | & | 22.010 | æ | 5.0011 | 8 | • | 17.238 |
| SECTION (1) SPN BOOSTER | # FESC | DOSTER | | | DEPEND | DEPENDENT VARIABLE CP | ABLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | | .1518 | .2240 | .3323 | .4405 | .5¥88 | .6570 | . 7653 | . 883. | .9122 | 9226 | |
| Ē | | | | | | | | | ļ | | į | | | | |
| 000 | 0211 | 1066 | 3739 | 1 | | | | .0035 | 8 | . 0935 | 3311 | <u> </u> | 2696 | .0787 | |
| | 0227 | 1949 | | 8269 | | | • | 0272 | 6100 | .0328 | - 3045 | <u>6</u> | 986 | ₹6.0° | |
| 45.000 | 0235 | 1058 | 3607 | 7832 | 1190 | | • | 0387 | . 0062 | 925 | 3020 | 1121 | | 9210. | |
| 67.530 | | | 3731 | B725 | 1639 | 1834 | 1031 | 0713 | 0130 | F. 5 | 3123 | 320 | | 200 | |
| 90.00 | .0123 | 0678 | | 8167 | | . 1375 | | 1031 | 0555 | .0317 | 3103 | | 85CI. | 1410. | |
| 112.500 | | | - 290 | 8176 | 1825 | | | 1137 | 081 | 0070 | 2922
 | 9,91. | 200 | נייטין.
נייטין: | |
| 135.000 | 5 | .0732 | 2081 | . 5668 | | 1031 | | 08 /c | B000. | 1.06.1 | 0000. | 5000 | | 2140 | |
| 157.500 | G
G | 1037 | 200 | 0000. | 011. | • | 000 | 0000 | 0000 | 0398 | 3368 | 2688 | 3970 | .2767 | |
| 180.000 | 5004 | | 200 | . 6141 | • | • | | 0308 | 0413 | .0625 | 3682 | .2161 | .3731 | 3069 | |
| 200.000 | | | 0000 | 4933 | | | | .0397 | 55. | .0873 | 4878 | ₹ 60 . | .2481 | .3072 | |
| 247.500 | } | } | .0273 | 6721 | | • | • | .0300 | .0564 | . 1305 | 1922 | . 0360 | . 1383 | .2776 | |
| 270.000 | 1592 | .0965 | ı | -1.1026 | • | | 0431 | 0024 | 6 1 50. | . 1513 | 0766 | .0373 | . 1300 | . 1000 | |
| 292,500 | | | | -1.0597 | 2053 | 4240 | 0202 | .0169 | .0718 | . 1293 | 2487 | .0469 | . 1369 | .0698 | |
| | 0378 | 1748 | 510 | | 1385 | • | | .0169 | .0725 | . 1149 | 3571 | .0828 | . 1705. | 0035 | |
| | 0396 | - 15 | | | | • | 0131 | 9.9990 | .0734 | .1131 | 3073 | . 1283 | <u>.</u> | .0063 | |
| | 0211 | 1066 | 3739 | | | • | 0246 | . 0035 | .0485 | . 0935 | 3311 | .1564 | .2606 | .0787 | |
| | | | | | | | | | | ; | | | | | |
| MACH C 10 | • | V 000: | ALPHA (9) | | 10.000 | • | 4.3618 | P14 | | 22.010 | ·
Æ | 5.0011 | ¥Ş. | • | 17.238 |
| SECTION (1) SAN BOOSTER | 388 B | OOSTER | | | DEPEND | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | .1013 | .158 | . 1518 | . 22v0 | .3323 | 4403 | . 3488 | .6570 | .7653 | .883 <u>.</u> | .9122 | .9556 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | 0735 | - 155 | 4075 | 7469 | - 106 | | 0352 | 0147 | . 0298 | .0903 | 3767 | .1542 | .2559 | .0736 | |
| 22.500 | 0805 | 163 | 4040 | 823 | 1197 | | 0752 | 0734 | 0591 | 0137 | 3403 | . 1333 | | .0137 | |
| | 0957 | 170 | 1414 | 8180 | 1553 | 1348 | 1063 | 0761 | 0227 | .0421 | 3299 | .1173 | | 0559 | |
| | ļ | | 4163 | 7176 | • | 1755 | 1506 | - 10th | 0298 | 0430
0430 | 3326 | 5711. | | 0370 | |
| | US 74 | - 1600 | , e | | 7057 | 0000 | 200 | 5 00 | 360. | 1020. | 1 1002 | 7 1 | 902. | יייטני.
השנה | |
| 145 000 | 629 | 5180 | 116 | 7218 | • | • | 603 | 1391 | - 1080 | 0521 | 3237 | 986 | .2718 | 1200 | |
| 157.500 | 3095 | 18 | 1127 | -,6632 | 1278 | • | 0770 | 0735 | 0592 | 0236 | 3335 | 8363 | 3745 | .2133 | |
| 180.000 | 427 | .89.3 | 0246 | 5703 | 0469 | • | 0014 | .0030 | 9.9990 | .0386 | 3559 | .3015 | .4297 | .2917 | |
| 202.500 | .4655 | .3597 | .0341 | 500₹ | . 0065 | 0138 | .0403 | .0421 | .0510 | .0768 | 3855 | ¥152. | .4137 | .3300 | |
| 225.000 | .4273 | .3712 | .0732 | 3865 | £. | 0467 | .0492 | 9,0 | .0581 | 104 | 5076 | .1182 | .2916 | .3388 | |
| 247.500 | | | | さる。 | .0805 | 1786 | .0342 | . 0428 | . 0690 | . 1563 | 2535 | 57.40. | .1562 | . 2 93£ | |
| 270.000 | .0787 | . 0075 | - | -1.0060 | 3314 | 4035 | 0440 | 0030 | .0600 | .1748 | 0~10 | .0457 | .1391 | 1011 | |
| | | | 7237 | B76¥ | 2845 | 4122 | 6+00 | .0234 | .0793 | . 1450 | 2737 | .0502 | ±051. | 1693 | |
| | 1439 | 2848 | -,5759 | 8503 | 2389 | | 00B4 | . 0253 | . 0823 | . 1286 | 3585 | .0871 | . 2120 | . 0218 | |
| | 1069 | 2143 | 4309 | 7221 | 1149 | | 0119 | 9.9990 | 1.0 | 1229 | 3207 | 5641 | .2716 | . 001Z | |
| 360.000 | 0735 | 155¢ | 4075 | 7+69 | - 106+ | 1055 | 0352 | 0147 | . 6298 | .0903 | 3767 | St. | . 2559 | .0735 | |

| MACH (2) | • | | | | | | | | | | | | | | |
|--------------------------|------------|---------|------------|--------------|-----------|-----------------------|---------|--------|-------------|----------|---------|----------|----------|-------------------|--------|
| | | | ALPHA (1) | | -10.000 0 | • | 7.3909 | PTA | • | 22.007 | 뢊 | • 6.2778 | AS4 | • | 12.985 |
| SECTION (1) SPM BOOSTER | - E-55 | OOSTER, | | | DEPENDE | DEPENDENT VARIABLE CP | ABLE CP | | | | | | | | |
| x/rs | .0433 | .0722 | .1013 | . 1158 | . 1518 | . 2240 | .3323 | .4403 | 8 | .6570 | .7653 | 89. | .9122 | .9353 | |
| Æ | | | | | | | | | | | | | | | |
| 000 | 609 | .4920 | 256 | | 0647 | 2856 | | | . 0000 | 0579 | • | . 1413 | 3785 | .1906 | |
| 22.500 | .4703 | ĀĀ. | | | 2066 | 3721 | | | - 0908 | 16¥9 | | . 1262 | . 3330 | ž
8 | |
| 45.020 | .2010 | . 1739 | 0265 | 9160 | 3587 | \$846 | 2626 | | -
1. |
28:- | 6003 | . 0820 | £. | .2272 | |
| 67.500 | | | E | -1.0311 | -, +859 | -, 3839 | 3457 | 292+ | 2662 | 3012 | 5564 | 94.19 | . 1665 | -
26
26 | |
| 90.000 | 0239 | - 0630 | 2312 | | 5715 | 4280 | • | 2956 | 2511 | 2369 | - 1885. | .0102 | .037 | 1 990. | |
| 112.500 | | | | | 5239 | 3810 | 3349 | | 1522 | 1203 | 4903 | 0088 | .0397 | 0009 | |
| 135.000 | 0600 | - 1265 | | | 5053 | 3358 | • | | 1260 | 1160 | 4993 | 0051 | ₹620. | 0187 | |
| 157.500 | 0245 | -:= | | | EB#7 | 3151 | • | 1528 | 1360 | 1240 | 4867 | 0082 | .036 | 0118 | |
| 180.000 | 0245 | - 1225 | 18 | • | . *595 | 3777 | 2006 | 1718 | 9.9990 | 1807 | 4676 | 0301 | . 0202 | \$ | |
| 202.500 | 0977 | 1667 | . 3295 | | | 4582 | 1563 | 0736 | 0935 | 1013 | ¥.507∗ | 0317 | 1340 | <u>:72</u> | |
| 225.000 | 1457 | 3372 | 5468 | | • | 4857 | | 0297 | 0250 | 0103 | 5207 | 0847 | . 0892 | .2627 | |
| 247.500 | | | 6910 | 679+ | 6349 | 4712 | 1271 | . 0039 | .0070 | .0385 | 3580 | 1303 | 0092 | .2115 | |
| 270.000 | 245 | . 0220 | 0449 | | 3101 | 4671 | 1019 | .0178 | .0162 | .0691 | 2531 | 1243 | 0191 | 9640. | |
| 292.500 | | | 3810 | 5131 | . 1769 | 3671 | 0678 | . 0¥25 | .0508 | .0718 | 6503 | 1151 | 0176 | . 0630 | |
| 315.000 | 686 | 5798 | 3712 | | . 1637 | 2550 | 0527 | .0478 | .0651 | .0468 | 7351 | 0695 | . 1633 | - C5+8 | |
| 337.500 | .6595 | .595 | 3389 | 5871 | .0905 | 229+ | 0626 | 9.990 | .0534 | .007 | 6099 | .0880 | .3909 | .0838 | |
| 360.000 | .6059 | .4920 | .2261 | | 0647 | 2856 | 1237 | 0323 | .0000 | 0579 | 6232 | 1413 | .3785 | . 1905 | |
| MACH (2) | • | ¥ 008. | ALPHA (2) | • | -8.000 | • | 7.3909 | PTA | ਲ
• | 22.007 | 뵨 | 6.2778 | 8 | • | 12.985 |
| SECTION (1) SAM BOOSTER | 9 F850 | DOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | WE CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | . 1158 | . 1518 | .2240 | .3323 | C0**. | 946. | .6370 | .7653 | .883¥ | .9122 | 655 | |
| ₹ | | | | | | | | | | | | | | | |
| 000. | 93£6. | 13. | . 1917 | 7323 | 0879 | 2291 | 1215 | 0270 | 9600. | 0244 | 5949 | .1504 | .3651 | .1970 | |
| 22.500 | . 43B2 | ¥. | . 080 | - 855
100 | 2003 | 2586 | 1719 | 0905 | 0595 | 1115 | 5793 | .1370 | .3250 | .252 | |
| 43.000 | .293B | | | 54+.S | 3221 | 3058 | 2305 | - 1621 | 1383 | - 176 | 5659 | . 1021 | .2516 | . 2322 | |
| 67.500 | į | į | | -1.0336 | 6604. | | 2700 | . 1986 | 1760 | | 523 | .0766 | B061. | .1730 | |
| 20.000 | 5 | 1000 | | C690.1- | C304. | 1405 | 1080 | . 6033 | 60/1 | 2 6 | CC04. | 3 440 | | 5001 | |
| 135.000 | 8 | - 0563 | 1730 | 1008 | E | 27.16 | 2016 | | 797 | . P.830 | | 0.00 | F020 | 3 | |
| 157.500 | .0352 | 08-80 | 68 | | -,4508 | - 2623 | 1727 | | 0883 | 0742 | 854 | 0268 | .0583 | 0238 | |
| 180.000 | .0339 | .0626 | 2065 | | 4799 | 3380 | 1520 | 093i | 9.9990 | \$ = · | 4387 | C345 | . 0379 | .0039 | |
| 202.500 | 1100. | 1161 | 27.4 | 958∓ | 6043 | 4273 | 1:72 | 0328 | 0349 | 0333 | 457B | 0018 | . 1225 | .0915 | |
| 225.300 | 036t | 1918 | 4588 | 6859 | 6758 | 4641 | 1201 | 0085 | .0020 | .0193 | 5282 | 0659 | ::
:: | .2416 | |
| 247.500 | | | 627 | ٠ | 6787 | 4521 | 1026 | . 0212 | . 0285 | .0621 | 3532 | 1:02 | 8,00. | .2166 | |
| 270.000 | .1586 | . 1376 | 0440 | 7262 | 2440 | 4501 | €0. | .0319 | .0350 | .0839 | 2266 | 1213 | 9,00 | .9751 | |
| 292.500 | | | 7117 | 6186 | . 1626 | 3496 | 0680 | .0381 | .0512 | .0812 | 5187 | 1120 | 2832 | .07:6 | |
| 315.000 | 5855 | 192G. | .3263 | 6369 | . 1393 | 2546 | 0618 | . 1255 | .0587 | .0613 | 6867 | 0532 | . 1733 | en to | |
| 337.500 | 6040 | 5777 | 7117 | - 6700 | 1000 | - | | 4000 | | 1 | - | | | | |
| | | | | 20/0. | * O. O. | עלטיי | 0/61 | 9.990 | 9
2
2 | .0316 | 576" | .0965 | 9789 | . 0939 | |

;

| (1432F) |
|----------|
| 2 |
| ASSC 121 |
| DATA. |
| SOURCE |
| TABLATED |

| NALE COLON (11958) GOOSTER COPPONENT VARIABLE CP NALE CONSTRUCTOR (11958) (1195 - 1287) (1196 - 1387) (1495 - 1691) (1999 - 1697) NALE CONSTRUCTOR (1195 - 1691) (1199 - 1287) (1199 - 1690) (1991) (1992) (1993) | MACH (2) | • | M 008. | ALPHA (3) | • | -5.000 | • | 7. 3909 | AT4 | ਲ
• | 22.007 | đ | • 6. <i>277</i> 8 | | | 5.98
58 |
|--|------------|--------------|-------------|------------|---------|-----------------|--------------|---------|----------|----------|---------------|--------|-------------------|--|-------------|------------|
| Color Colo | SECTION (| 9 185 | DOSTER | | | DEPENDE | NT VARIA | BLE CP | | | | | | | | |
| 1,000 | /LS | .0433 | .0722 | . 1013 | | . 1510 | .2240 | | 6 | 8 | .6570 | . 7653 | 983 | .9122 | 6 6 | |
| 1,000 1,00 | Ī | | | | | | | | | | | | | ! | | |
| 1939 | 900. | 209 | . 3623 | <u>.</u> | . 7863 | - 0 96 0 | 3 | | | .020 | .0223 | Marin. | F . | 3116 | .1733 | |
| 1.000 1.000 1.0 | 22.500 | Ä | 200 | 8 | | E : | | | | 5 | 0363 | 501C. | | 8 | | |
| - 1000 - 1166 - 0069 - 1009 - 1,0093 - 1,009 - | ¥3.000 | ģ | 2412 | .0107 | 7 | - Kelk | Cy. | - 1326 | U.S.C | | 9 | C+1C. | 201 | | | |
| 1626 .0826 .0725 -1.0806 -1.826 -1.876 -1.876 -1.976 -1.976 -1.976 -1.976 -1.976 -1.976 -1.976 -1.976 -1.976 -1.976 -1.976 -1.976 -1.976 -1.976 -0.976 -0.976 -0.976 -0.977 -0.976 -0.977 -0.976 -0.977 -0.9 | 67.500 | | | \$
\$ | 7 | 2791 | 2306 | 1617 | | 0/01 | C/2. | | 211/6 | 6300 | 9/9: | |
| - 1003 - 1103 - 1.0785 - 1.817 - 1.1875 - 1.1876 - 1.0896 - 1.0997 - 1.0099 - 1.1973 - 1.0785 - 1.8173 - 1.0787 - 1.0099 - 1.1183 - 1.0897 - 1.0099 - 1.1183 - 1.0897 - 1.0099 - 1.0183 - 1.0999 - 1.0183 - 1.0997 - 1.0099 - 0.0798 - 0.0301 - 0.0003 - 0.0096 - 1.0099 - 1.0099 - 1.0099 - 1.0099 - 1.0099 - 1.0183 - 1.0897 - 1.0099 - 0.0798 - 0.0301 - 0.0003 - 0.0096 - 0.0099 - 1.0099 - 1.0099 - 1.0099 - 1.0099 - 1.0099 - 1.0099 - 1.0099 - 0.0019 - 0.0193 - 0.0099 - 0.0099 - 0.0099 - 0.0099 - 1.0099 | 90.000 | <u>.</u> | 25 | O725 | | - 3250 | 2071 | 1940 | - 0840 | - S | 0620 | . 4503 | . 0938 | . 2073 | 2
2
2 | |
| .000 .1166 .0w981137 -1.0558w0081705 .111530w9002070 .2050 .1105 .0w981137 -1.087718w719w7097803010253 .0000 .1105 .0w80118129w9753623w920774 .0w30 .0w96 .0w9 .2w9753624w140816 .01145 .0w96 .0w96 .0w30 .0w6 .2w9753624w140816 .01145 .0w99 .0w97 .2w62w1140819 .0w19 .0w96 .0w90 .2w90 .2w901878w1390774 .0w19 .0w90 .0w96 .2w90 .2w90 .1w92 .2w97 .2w9718w9 .0w19 .0w19 .0w39 .0w90 .2w90 .2w90 .2w90 .1w92 .2w97 .2w97 .2w97 .1w93 .0w19 .0w19 .0w39 .0w39 .2w97 .2w92 .7w90 .0w19 .1w93 .0w19 .0w19 .0w39 .0w39 .2w97 .2w92 .7w90 .0w19 .1w93 .1w95 .1w19 .0w19 .0w39 .0w39 .2w97 .2w99 .7w90 .0w19 .1w93 .1w95 .1w95 .0w19 .0w19 .0w19 .2w19 .0w19 .0w19 .2w19 .2w19 .2w19 .2w19 .2w19 .2w19 .2w19 .0w19 .2w19 .2 | 112.500 | | | 1753 | | - X615 |
187 | 25. | 0696 | 3. | 0169 | 43:1 | ₹ 080. | 20
20
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20 | . 1276 | |
| 1500 1248 0.408 -1183 -1.0847 -1840 -1.0878 -1.087 | 35.000 |
88 | 88 | 1137 | | 400B | 1705 | 1153 | 0480 | 0270 | 0091 | 4465 | .0775 | . I¥I3 | . 1053 | |
| | 57.500 | - 17. | 8.5 | 1183 | | 4457 | - 1 9 | 0978 | 0301 | 023 | 0148 | 3907 | .0618 | . 121 | . 1027 | |
| 1103 .0062 :612 9997 5362 3962 0794 .0030 .0096 .0000 .2000 | 80.000 | 1150 | 04.20 | 1342 | -1.0296 | -,4580 | 2640 | -,0879 | .0.85 | 9.9990 | 0180 | 3911 | .020 | .0590 | .0690 | |
| 1216 10103 -12564 -1737 -16629 -14014 -10810 0.0145 0.0213 | 500 | 105 | 6062 | - :812 | | 5362 | 3±82 | | .0030 | 9,00. | .0199 | 3865 | .0075 | .0776 | 6895 | |
| Color Colo | | | 2010 | Į. | | 6299 | 3105 | | .0145 | .0213 | .0486 | 4707 | 1040.1 | .0795 | 1798 | |
| 1000 19990 19895 12001 -18730 -11978 -19135 -10784 -10137 -10579 | 500 | : | | 200 | | 6862 | 4070 | | .0219 | .0350 | .0792 | 3289 | 0945 | .0257 | .1879 | |
| 1000 .9955 .9782 .2518 -18036 .1006 -2512 -0726 .0050 .0538 .0000 .9955 .9782 .2559 -7780 .0517 -2217 -0820 9.9990 .0938 .000 .9600 .9600 .0938 .0000 .9600 .9600 .0938 .0000 .9600 .9600 .0938 .0000 .9600 | 000 | 8 | 2000 | | 0360 | 1878 | 6214 | 0.78 | 0193 | 1993 | 1008 | - 2025 | -,1071 | 5210. | .0897 | |
| 1000 | 70.000 | Ċ | COO. | | 0030 | | | | | | 9 - | 0001 | 200 | 20.0 | O G G | |
| (2) -9555 -9782 -2518 -18036 -1006 -1212 -10726 -1050 -10329 -1000 | 96.500 | | | 3400 | | 00. | . 3133 | | 100. | erco. | 6101. | . 4666 | 400 | | | |
| 1 21 | 115.000 | 188 | .4782 | Ķ | | . 1006 | 3312 | | . 0050 | 9530 | 96/0 | 6021 | 0312 | • | 0316 | |
| Color 1,4500 3523 11227 -,7983 -,0580 -,1941 -,1116 -,0191 .0602 Color 1,594 BOOSTER | 37.500 | 5209 | 14.37 | . 2259 | • | .0517 | 2217 | • | 9.9990 | .0+30 | . 0590 | 5131 | 3 00 · | . ¥75 | 1965 | |
| 1.50 | 50.000 | .4600 | .3623 | . 1227 | 7983 | 0580 | <u>.</u> | 1116 | 0191 | . 0202 | . 0223 | St43 | . 1437 | 3116 | . 1753 | |
| 1.58M BOOSTER | 6 | | | A S AM | | | • | 7.3509 | PTA | | .007 | æ | - 6.2778 | 8 | • | 12.985 |
| 1003 3018 - 2048 - 1013 - 1158 - 11518 - 11443 - 11138 - 10014 - 10431 1000 | EC710N (| 10 SPM 10 | DOSTER | | | DEPENDE | T VARIA | BLE CP | | | | | | | | |
| 10.00 3818 | | | | | | | | | | | | | | | | |
| 3818 . 2948 . 00801 - 5044 1443 1138 0014 . 0431 . 3675 . 3735 | รา | 83 | .0722 | .1013 | 96. | . 1518 | .2240 | .3323 | ₩. | 98.3°. | .6570 | .7653 | .8834 | .9122 | 2006 | |
| 3818 2948 -,0444 -,1143 -,1136 -,0014 -,0431 3275 2439 0419 -1,0049 -,1185 -,2069 -,0935 -,0117 .0256 2855 2057 0133 -1,0230 -,1807 -,1309 -,0935 -,0113 .0112 .0251 -,1033 -,1062 -,0795 -,0114 .0113 -,0113 -,1050 -,0126 -,0126 -,0126 -,0126 -,0126 -,0126 -,0129 -,0229 -,0229 -,0229 -,0229 -,0229 | ã | | | | | | | | | | | | | | | |
| . 2825 . 2037 . 0133 -1.00391185206909350117 . 0256 . 2055 . 2057 . 0133 -1.02301807136909360213 . 01120139 -1.03302647106207950144 . 01232206 . 13910211 -1.05013744106806950148 . 00932206 . 13910211 -1.05013744106806950148 . 009320690217022001520075 . 01452078107407900360075 . 01452078107404390411079003660033 . 01872078107804964401101103160036 . 019420781058095944011011031602552079105920300255201202252012022520120225201200252012002520120025201200252012 | 000 | 3818 | 8400 | 686 | 90% | 1.9 | 153 | 1138 | 001 | .0431 | .0726 | +665 | . 1433 | .2711 | . 1556 | |
| 2206 . 2057 | 22.500 | , K | 黑龙 | | -1.0049 | - 1185 | 2069 | 0995 | 0117 | .0256 | .037 | - 1415 | . 1397 | . 2505 | . 2022 | |
| 2206 .13910211 -1.05013744106806950148 .0093 .2506 .13910211 -1.05013744106806950148 .0093 .2506 .0438 -1.05804189081105220075 .0148 .0093 .2069 .12490417 -1.05694189081105220075 .0145 .0194 .2078 .11730579 -1.0649440110110316 .0036 .0194 .2078 .10560748 -1.040110110316 .0036 .0194 .2237 .12250851 -1.0676443616210232 .0102 .0255 .2237 .12250851 -1.06764436 .16210232 .0102 .0255 .259 .15480899 -1.0553549234130321 .0112 .0306 .2055 .2012 .2012 .0422 .0103 .0423 .2042 .2050 .0659 .0019 .0477 .2042 .2050 .0659 .0050 .0659 .2740 .2050 .0659 .0050 .0659 .2065 .20659 .20659 .0050 .0053 .20659 .2065 | 45.000 | 2000 | .2057 | | -1.0230 | 1807 | 1309 | 0936 | 0213 | .0112 | .0280 | 4389 | . 1442 | .2493 | .1983 | |
| 2069 .13910211 -1.050137%1068069501% .0093 . 2069 .12%0%18 -1.05804\189081105220075 .01%5 . 2070 .12%0%17 -1.05694\271079003560033 .0182 . 2070 .11730579 -1.06%4\27107900356 .0036 .019% . 2072 .105607\2710579 -1.06\27107900316 .0036 .019% . 2277 .12250851 -1.06764\2710590 .0056 9.9990 . 2257 .12\272 .0851 -1.06764\27203570232 .0102 .0255 . 2259 .15\2740899 -1.05533\274031 .0112 .0306 . 2259 .15\27408906\2750350 .0629 .0013 .0\273 . 2366 .3910 .2165285527\02350 .0659 .0013 .0\273 . 2376 .4\273 .2\274089319130699 .0050 .0059 . | 67.500 | | | | | 2647 | 1062 | 0795 | 1710 | .0123 | 1920 . | 4110 | . 1429 | 3555. | . 2055 | |
| 2069 .12490417 -1.05694419081105220075 .0145014501450145014501460136013301822078 .11730579 -1.05494420013001360136013401360136013601360136013601360136013601360136013601360136013601360136013601360138013801380138013801390133 | 90.000 | .2208 | 1391 | | | 3784 | 1068 | 0695 | 0148 | .0093 | .0266 | - 386t | .1362 | .2315 | 1968 | |
| 2078 1173 -0579 -1.05694471079003960033 .0188 .2078 .10748 -1.06444401 -1.01110316 .0036 .0194 .2078 .10560748 -1.04964436 -1.16210290 .0056 9.9990 .2237 .12250851 -1.0576443616210232 .0102 .0056 9.9990 .2237 .12250851 -1.0576467023570232 .0102 .0255 .2259 .15480899 -1.055334130301 .0112 .030601389889 -1.055935800622 .0019 .0477 .2036 .2037 .2036 .2036 .2037 .2036 .2036 .2036 .2036 .2037 .2038 .2037 .2038 .2037 .2038 .2037 .2038 .2037 .2038 .2037 .2038 .2037 .2038 .2037 .2038 .2037 .2038 .2037 .2038 | 12.500 | | | | -1.0580 | 4189 | 0811 | 0522 | 0075 | .0145 | .0408 | 3638 | . 1348 | .22±1 | . 1958 | |
| 2078 11730579 -1.0644440110110316 .0036 .0194 .2082 .00860748 -1.0486443616210290 .0056 9.9990 .2237 .12250851 -1.0676467023570232 .0102 .0255 .2559 .15480859 -1.0553549234130301 .0112 .030501389889 -1.055334130301 .0112 .0305 .2559 .3836 .3910 .31658655274035500659 .0019 .0477 .28566659 .0019 .0055 .45134067 .16838955 .013919130669 .0050 .0555 .45134069 .0050 .0053 | 35.000 | .2069 | 1249 | | -1.0569 | 4271 | 0790 | 0396 | 0033 | .0182 | .0387 | 3321 | 1.1271 | .2139 | .1918 | |
| . 2082 . 10660748 - 1.04864436162102900056 9.9990 | 57.500 | .2078 | .1173 | | -1.0644 | 1044 | 1011 | 0316 | .0036 | <u>.</u> | .0383 | 3247 | ₹.
: | .2026 | <u>.</u> | |
| 2537 . 1225 ~ .0851 - 1.067646702357023201020255
2559 . 15480899 - 1.055354923413030101120305
0138968067593680042201230423
.393639103165865527403550065900190477
.2946877708942350065301750655
.4519 .4067 . 1698895501391913069905000535
.4313348140689097033516750754 . 9 .99900535 | 80.000 | .2082 | 1066 | | -1.0486 | 4436 | 1621 | 0290 | .0056 | 9.9990 | .0430 | 3196 | . 0288 | 199 | <u> 1</u> | |
| 2559 . 15480898 - 1.055354430301 . 0112 . 0305305930590422012304240424 | 02.500 | .2237 | . 1225 | | -1.0676 | 4670 | 2357 | 0232 | .0102 | .0255 | .0517 | 3322 | .0003 | .0864 | 59 | |
| 3836 - 3910 - 54733589 - 9590 - 3530 - 3500 - 3500 - 3500 - 3500 - 3500 - 3500 - 3500 - 3500 - 3500 - 3 | 25.000 | 692 | 1548 | | -1.0553 | 5492 | 3413 | 0301 | 5110. | .0306 | . 0662 | 4192 | 0333 | . 0550 | . 15+3 | |
| . 3836 . 3910 . 3169 - 8555 - 2750 - 3550 - 0019 . 0019 . 0277 . 2850 - 2350 - 2350 - 2551 . 0185 . 2855 2850 2850 2850 - 2850 - 2850 | 47.500 | | | 0138 | 9680 | 6759 | 3690 | 0422 | .0123 | .0423 | .0975 | 26+9 | 0584 | .0345 | .1501 | |
| . 4519 . 4067 . 1683 - 8955 | 060.67 | 3838 | 3910 | 3169 | 8555 | 2740 | 3550 | 0659 | 9100. | 140. | . 1207 | 1689 | 0674 | .0353 | .0923 | |
| . 4519 . 4067 . 1663 - 8955 . 0139 - 1913 - 0669 . 0050 . 0659 . 473 . 474 . 474 . 474 . 475 - 1675 - 0754 . 475 . | 95 F. O.C. | | | 6 | 8277 | \$680° | 2350 | 0553 | 1710 | .0655 | 30 | 3945 | 0559 | .0197 | 35.0 | |
| . 2520. 0999.9 4570 2631 2520 8041. 1481. 1784 | 15.000 | 61.0 | 4067 | 1583 | - 8955 | .0139 | 1913 | 0599 | 0500 | .0659 | .1127 | 5335 | .00S | - 1519. | . 0201 | |
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| 100000000000000000000000000000000000000 | 37.500 | 5/54. | 5 | 1.00 | , 254, | cccu. | C/ 0 : | FC/0. | 9. 9320 | בנכט. | 26. | **** | * | ۶
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12.985 .1508 .1903 .1903 .1903 .1903 .234 .2453 .2453 .2453 .2543 .2744 .0142 .0907 .1208 9555 .935 ğ 9132 .9122 (RB2501) 6.2778 **6.27**8 -.0312 -.0601 -.0601 -.0469 .0147 .1023 .833 6960.
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-.0837 -.2293 -.3245 -.3822

-.0416

-.0+38 -.0+10 -.0+0.-

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CATE OS SEP 75

| | | | | Ā | NSFC 567(1A3CF) T9 53/2 53/2 03 | 327.) 19 | 53/2 53/ | | SPH BOOSTER | 1 | | (1052 0 1) | 110 | | |
|-------------------------|--------------|----------|-------------|------------------|---------------------------------|----------------------------|----------|-------------------|-------------|-------------------|--------|-------------------|---|---|--------|
| MACH (2) | • | V 008: | ALPHA (9) | • | 10.000 | • | 7.3909 | ¥ E | 8 | 22.007 | ď | • 6.2TB | 8 | • | 12.985 |
| SECTION (1)59N BOOST | 15 50 | BOOSTER | | | 3043430 | DEPENDENT VARIABLE | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | .1013 | . 156 | . 1518 | .2240 | .3353 | £03 | 88. | 6570 | .7653 | 8 | 2216. | 8 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | 0300 | 0370 | <u>.</u> | E | 3152 | ₹ <u>2</u> | 06¥9 | 0108 | \$ | | - WE | 92.98 | ٠ <u>. تو</u> | 8 | |
| 22.500 | .0163 | | 1667 | 907 | . 3580 | 1305 | 1032 | 0627 | 0191 | .0360 | - WES | .0632 | 25 | 9312 | |
| 45.CDD | 0060 | | | est. | 4316 | 1409 | 1330 | 0679 | 9600. | .0752 | 3421 | .0661 | .0755 | - 965 | |
| 67.500 | | | - 10.7 | .83 | 3775 | 1821 | 1763 | 0867 | -0112 | .0866 | - 35% | . 06 82 | .075 | . 53 | |
| 90.000 | .0332 | 0118 | 1559 | 1710.1- |
887 | - 1999 | 2208 | 1595 | 0343 | .083+ | 3506 | .0825 | 1960 | 9180
180 | |
| 112.500 | | | 1015 | -1.0409 | 214 | 2144 | 2170 | 1808 | 0958 | .0322 | 3416 | 96
=: | . 1903 | 920 | |
| 135.000 | . 2725 | <u>.</u> | 003+ | 98¥9 | 1963 | 1763 | 1700 | 1527 | 0885 | 0107 | 3712 | . 1913 | .3128 | 4 | |
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| 202.500 | 5016 | | . 2259 | 7897 | .0389 | 0532 | . 02¥8 | . O415 | .072 | .1102 | 4310 | | .4455 | 28 2 | |
| 225.000 | . 5¥28 | | .2820 | 7722 | .0857 | 0895 | .0374 | . 0569 | .0873 | . 1377 | 5391 | .0671 | .2231 | 3829 | |
| 247.500 | | | 2
A | • . 6 928 | .1373 | 2160 | .0139 | . 9 28 | 9160. | <u>.</u> | ¥80. | 0316 | 60. | 5/5 | |
| 270.000 | . 2029 | Į. | 6860 | 6876 | 1283 | 3316 | 0472 | .0228 | .1021 | . 1935 | 1.09 | 0270 | 5950. | .0518 | |
| 292.500 | | | 5368 | 5583 | 5876 | 3388 | 0308 | .032⁴ | | .: 760 | | 0156 | ນ.
ຄູ່ເຄີ | ž. | |
| 315.000 | 6427 | 169 | 383¥ | 5559 | 5690 | 9433 | 0333 | .0308 | .1123 | . 1648 | 3816 | .0123 | 0.4E | 0332 | |
| 337.500 | 0102 | | 2145 | 8235 | 46 41 | 2656 | 0418 | 9.9990 | . 1059 | . 1595 | 3282 | .0739 | .2053 | .000 | |
| 360.000 | . 0300 | | 1651 | 1.957 | 3152 | . 1224 | 0649 | 0108 | 6 | .1082 | 3847 | .0626 | 1549 | <u>8</u> | |
| MACH (3) | • | 1.050 A | ALPHA (1) | • | -10.000 0 | • | 8.4371 | PTA | ⊗ | 22.007 | æ | 6.5711 | 8 | • | 10.992 |
| SECTION (1)59N BOOSTER | 185 | BOOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | B.E CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | .1.58 | . 1518 | .2240 | . 3323 | £0%. | 88 | .6570 | . 7653 | \$8 | .9122 | 88 | |
| ā | | | | | | | | | | | | | | | |
| 000 | 7514 | .6533 | 1154. | 4172 | 1432 | 0999 | 2462 | 1209 | 更二. | .0785 | 6322 | . 1802 | .4518 | . 24BJ | |
| 22.500 | 1 00 | 5140 | 3100 | - 4905 | .0083 | - 1269 | 3272 | 2731 | .0239 | 0338 | 6555 | 192 | .427B | 3155 | |
| 45.000 | 18487 | .3533 | . 1831 | 6108 | 1315 | 2962 | 4507 | 4237 | 095∄ | 1465 | 650+ | <u> </u> | 357 | 3079 | |
| 67.500 | | | .0697 | 7066 | - 252 | 4699 | 4278 | 53% | 1407 | 2008 | . 6296 | 3960 | . 2703 | 98 | |
| 90.000 | . 1557 | 1080 | 0069 | | 3393 | - 1886
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- 1886 | 5051 | 5 65 C | . 1520
 | - 163s | 2905 | | 3 5 | | |
| 145,000 | 6911 | 2530 | 620. | ¥ 1. | 0004 - | 265 | 1010 - | 2816 | 0,00 | 9600 | 9624 | | 8 6 | 8 | |
| 157,560 | 8 | 0.79 | 0129 | 7.01 | 1605 | - 2362 | 3490 | 289 | 0852 | 0146 | 5535 | 5150 | 1058 | 9460 | |
| 180.000 | 1451 | £90. | \$ 5° | 78%0 | 4697 | 3389 | 27% | 2549 | 9.9990 | 0264 | 5035 | E 420. | 6963 | .0339 | |
| 202.500 | .086 | . 0202 | 1406 | 7937 | 5638 | 4752 | 1590 | 0535 | 0770. | .0697 | 53∗8 | 0386 | 64. | .2213 | |
| 225.000 | .0353 | 1405 | 3896 | ₽ .01 | 6405 | 5105 | 1267 | 0324 | .0834 | . 1053 | 5307 | 0845 | . 5519 | 2298 | |
| 247.500 | | | 61 9 | 635 | 6721 | 4871 | - 1329 | 0182 | .0988 | . 1437 | 3214 | - 135: | - 0.480 | 338 | |
| € 70.000 | . 2079 | . 1965 | 1589 | 6130 | 1350 | 4761 | 1867 | 0127 | . 1230 | .1777 | 2365 | 高二 | - 5.65. | ורנט. | |
| 292.500 | | | \$. | - 12 dd | .3487 | 2852 | 1816 | C205 | 1495 | . 1899 | 692. | - 1:67 | 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 8 | |
| 3:5.000 | 6 | E 45 | 26. d | 6693 | . 94B2 | 1218 | 1676 | C214 | . 1685 | . 1745
Carrier | 5898 | 087¢ | . 35E | . 09:55
6:50 | |
| 337.500 | 7903 | 1887 | 5218 | | -082· | 079 | 1881 | 9.9990 | . 1613 | . 1388 | 6054 | B639. | 600 y | B á | |
| 350.000 | . 75 | . 6533 | | 4172 | - - | 596 5 | 200 | - 1209 | 5 | 69/0: | 6366 |)
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DESCRIPTION QUALITY

| OATE OS SEP 78 | ę | | | TABLE | TABILATED SOURCE DATA, MSFC THT 567 (1A32F) | PCE DATA | , MSFC 1 | MT 567 (| 143251 | | | | | PAGE | e. |
|--|---------------------|---------------|--------------|---|---|-----------------------|----------------|----------|-------------------|----------|----------|----------|-----------------|-----------------------|--------|
| | | | | Ā | MSFC 567(1A32F) T9 53/2 53/2 | 32F.) TB | 53/2 53/ | 63 | SAH BOOSTER | £ | | (RB250:) | 93 | | |
| MACH (3) • | • | 1.050 A | ALPIA (2) | • | -8.000 0 | • | 8.4371 | ATA | 8 | 22.007 | ž. | 6.5711 | \$ | • | 10.982 |
| SECTION () | 13008 MBS(1) | XOSTER | | | 30N3d30 | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | 833 | .0722 | .1013 | 96 : | . 1518 | SP40 | .3323 | 603 | 88 45. | .6570 | .7853 | 4699 | .9122 | 8 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | .7006 | .0038 | 3905 | あまい | 1359 | 1107 | 2185 | | . 1120 | 90! | 6027 | .2003 | #27B | 9 | |
| 22.500 | 5976 | 866h. | 2862 | F. | .0139 | 1619 | - 250
- | 3351 | .0433 | .0102 | 6049 | .2060 | 45.4° | 345 | |
| 45.000 | 683 | .3766 | 202 | 6377 | 0943 | | 60 M | . 3983 | 96.
18.
18. | 0.50 | 6140 | . 1670 | 88 (F | A F | |
| 67.500 | 002.0 | 900 | | 5789 | 1916 | | 20 T | 0214 | 10/0 | - 0358 | 533! | 20.0 | | 2083 | |
| 112.500 | | | . 9512 | .7.73 | 3845 | 2175 | 0.454 | 2344 | 0192 | .0320 | 5328 | 198 | 0711. | Ę | |
| 135.000 | . 1912 |
8% | . 9 | 7555 | 5272 | 1672 | 3538 | 1947 | 0063 | .04:3 | 5385 | .0792 | . 1228 | .099 | |
| 157.500 | .2151 | . 1428 | .0402 | 7521 | SF 3 | .160 | PG+ | 1936 | 0352 | .0465 | 4865 | .0728 | . i28 | . 28
1 | |
| 180.000 | . 20 8 2 | <u>ā</u> | 9810 | 7520 | - £80. | 2768 | 2105 | | 966.6 | <u>چ</u> | 4557 | .0535 | <u>.</u> | | |
| 202.500 | 32. | .880 | 85.5
1 | 7837 | 5061 | - F2- | 1355 | - 06y | 92.5 | 980 ! | 5.4972 | .0275 | 8 | | |
| 225.000 | <u> </u> | 3
3
3 | e168 | 6506 | - 5057 | 0 to 1 | - 10%
- 10% | 0373 | 1980. | 949 | 9863. | 1000 | .0783 | e
E | |
| 247.500 | | • | .3867 | 6. 5.
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מעני | |
| 273.000
200 | . 3000 | Ċ | 5/57 | 3/20 | 7080. | 3004. | 7 2 2 | . 0777 | 1759 | CE 6 | בנינים - | 1987 | 8 5 | 9.6 | |
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F | 5441 | 91717 | 1176 | 100 | 181 | | 9512 | | 06.30 | |
| 337.500 | 7372 | 6 | 1684 | 1165 | 10 | 0916 | 1856 | 9.990 | 1+96 | 1556 | - 56.7 | 9601 | | | |
| 3€0.000 | .7006 | .6039 | 3905 | ₩14 | .1358 | 1107 | 2195 | 2575 | .1120 | . 1050 | 6027 | .2003 | .4578 | 8.45.
1.00. | |
| MCH (3) = | . 050 | | ALPHA (3) | • | -5.000 Q | • | 8.4371 | PTA | • 22.007 | 700 | æ | 6.5711 | ž | • | 10.992 |
| SECTION (1) 59th B0057 | 98 H-55 | OSTER | | | 3EPENDEN | DEPENDENT VARIABLE CP | S
S | | | | | | | | |
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! | | | | | | | | | | | | | |
| X/LS | . P+33 | .922 | .1013 | 8 61. | . 1518 | .2240 | .3323 | £03. | 98 . 6. | .6570 | .7653 | £83. | .9122 | 8 | |
| Ē | | | | | | | | | | | | | | | |
| 00 0 | .0138 | 5290 | 3256 | 5331 | . 1428 | .1343 | 11171 | 2395 | . 1215 | . 1536 | 5318 | .2176 | 3 | 1 | |
| 55.500 | a | . 4607 | 2730 | - 8262 | .0389 | 0631 | 1993 | - 2660 | .0867 | 6960 | 5531 | 5:15. | . 3903 | 8 (
5 (| |
| 45.000
67.600 | | | 200 | | 0503 | B441 | 5/55 | 2004 | 67.5 | ה
ה | | <u> </u> | . K | בן בן
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כקור | |
| 90.06 | 3345 | .272. | 1438 | 5017 | - 3505 | 1603 | 2722 | 2170 | .0330 | .0537 | 4567 | . E. | 8 | 909 | |
| 112.500 | | | .1165 | 7236 | 4837 | 0921 | 2566 | 1739 | 17*9. | .1050 | 4581 | .1.52 |
1 96 | 2191 | |
| | 9162 | .229 | . 10 | 7273 | 5246 | 0810 | 2056 | 1399 | .0521 | 0111. | 502· | . P3 | . 1927 | . 1813 | |
| | 200 | . 2320 | 1060 | 7321 | | 1036 | 1514 | 1077 | . 94B1 | 0111 | - 4205 | 1911 | . 1927
173 | | |
| | | B/ 12: | 5 | BO2/. | | 7.02 | c+11 | 9.70 | 9556 | £ : | 8 5 | ù d | | 101. | |
| יייים אנייים | | 8 | 25.00 | 7868 | *00° | - 5505 | 0810 | . C450. | 500. | 6/41. | 26.1 | . 0356 | , c |) 3 to C | |
| 247.500 | 1 | • | 6 | - 7069 | 5772 | - 4638 | 0585 | -, 0309 | 106 | 3.6 | . 250 | 0912 | 92:0 | ۲.
در در | |
| | .4263 | . ¥368 | 3665 | 5770 | 0+38 | +556 | 1027 | 0503 | . 1215 | .2126 | +0:1 | GP+3 | 5710. | :683: | |
| | | | 5067 | 4256 | | 3143 | 1340 | 0335 | .1373 | .2168 | 4565 | 3573 | G 05. | r Carrie | |
| _ | .6153 | .6 190 | 0484 | 5020 | | 1652 | P. 1478 | 1367 | . 1468 | .2082 | 5467 | 3879 | 8 | 13.40 | |
| | 6113 | .5983 | 1567 | 5217 | | 1077 | 1570 | 9.9990 | :5: | . 1930 | 0.494 | 7671. | 6
6 | en
en | |
| 360.030 | 9219 | .5280 | 3638 | 5331 | . 1426 | 1343 | 1711 | 2395 | . 1215 | . 1536 | 5518 | 2175 | 9.
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4996 4521 4100

5053 477

| CATE OF SEP | P. | | | TABLA | TABILATED SOURCE DATA, MSFC TH? 567 (1A32F) | CE DATA. | MEST TH | 7 567 11. | (28) | | | | | 1 | , |
|----------------------------|---------------|--------------|---------------------------------------|-------------|---|-----------------------|--------------|------------------|---|-------------|--|---------------------------|----------------|------------|----------|
| | ! | | | 35 | HSFC 567(1432F) 19 53/2 53/2 03 | 2F 179 St | 3/2 53/2 | | SAM BOOSTER | œ | | (1625.01) | C 25 | | |
| 7ACH (3) • | | | ALPM (6) | رن
• | 2.000 0 | • | 6.4371 | ATA | • £2.007 | | ď | 6.5711 | ğ | • | 10.986 |
| SECTION (1)594 B005TE | 88 | S 1EA | | | N3ON3d3O | DEPENDENT VARIABLE CP | LE CP | | | | | , | | | |
| XVE | 1 | . G728 | .1013 | 8 | 9.01 | 28. | .3323 | 80 st. | 8 | 0250 | 86 | Š | 2216 | ķ | |
| Ë | | | į | 1 | | | 1010 | 1016 | 386 | . P.33 | . 3483 | 88 | 100 E | Ë, | |
| 8 60 | Ç | E E | Ē | | 20.00 | 989 | 688 | - 1003 | 1366 | . 2335 | .328 | B. 7. | . 59 i 5 | ê | |
| 55.500 | . *073 | | <u> </u> | | 3965 | - 0960 | 0119 | 1080 | . 1302 | .2321 | 200 | 23.59 | 25.55 | | |
| 000.00 | 80 0.5 | 2 | 8 | 1 | 4202 | .030 | 0027 | . 0929 | 23 | . 2228
 | 3080E. | 8. E. K | 988 | 785 | |
| 000 | 1805 | 7887 | 8048 | 6728 | 4179 | 5 | .0113 | 1989. | | | 27.5. | 25.55 | 1365 | ķ | |
| 112,500 | | | .2138 | 6709 | 6917 | = { | | | 8 6 | 1863 | 2773 | . 220± | 327 | P. | |
| 35.000 | 4378 | 8 | 28.5 | | 2002 | 0.00 | 0300 | 0710 | .0767 | 1001 | 2860 | 8522° | 3353 | Ž. | |
| :57.500 | 155 | | 200 | . 60. | 7070 | - 0334 | 120 | -000 | 9.9990 | 0.1970 | 27.6 | 285 | | | |
| 180.000 | ğ, | | | | 8 | 0913 | 86.0 | 0336 | 6260 | 98 | . 3010 | | - P | 7 6 | |
| 205.30 6 | | | | 6.6 | \$ | 1372 | 010 | 007 8 | 160 | | | 8 5 | 8 | į | |
| 323.000 | 5 | | 60% | 22 | | 1917 | - 60° | - 0 : | | 2462 | 6 | | o o | 2 | |
| 20. CK | | CECE. | Š | 5013 | 3783 | 2009 | 0159 | # 6 · | R/21. | Ċ X | 8080 | | #60
#60 | ()
() | |
| 200.000 | | | Prof. | 6149 | 3788 | . 1400 | 0297 | . 0333 | C##]. | 1 to 1 | 3855 | 9193 | 3622 | 55 | |
| 200 F1F | -480S | CERT. | Š | 678: | 3022 | - C938 | - 040 F | 5193 | 52.81 | | 3298 | \$ | 88 | 6000 | |
| 337.500 | 86.4° | 3927 | . 2375 | . 88 | - 2609 | 0732 | 9 | | 30 | 2,33 | 3.93 | 6963 | ķ. | ř. | |
| 000 | op
F | .3837 | ž. | - 000 | | 65 9 | 037. | <u>ا</u> | | : | <u>:</u> | | | | |
| | 1.050 | | A. 2. 2. 2. | • | 5.000 a | • | 1.53.1 | 414 | - 22.007 | 200 | et | 6.5711 | ጵ | • | X |
| 2 | | 05769 | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| | | <u> </u> | | | | | 1 | | 8 | 6677 | 7553 | 80 | .9122 | | |
| X/CS | . P. 33 | .0728 | . 1013 | <u>.</u> | 1518 | . 82v0 | . 3323 | 0033 | R
K | 6.0 | 3 | | | | |
| E | | | | | | 1 | | į | 2 | 7 | . 3213 | 1720 | Ŕ | 362 | |
| 8 | . X.88 | 233 | 1381 | | E004. | 20.0 | 2000. | | 1450 | 51.50 | 28. | 202 | 3079 | EF. CH | |
| 22 300 | 75. | Ž. | <u>.</u> | . 7013 | 104. | . 00.1 | 0033 | 3960 | 131 | 2279 | 2909 | 50.50 | ጵ | m (| |
| 000 C | Ä | S. | | 7028 | 82 | .0312 | .0069 | - 0901 | Bi. | Service. | 26.
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1 | ម្រុំ
ប្រុស្ត | i i | 9 6 6 | |
| 0 C | 4 | Ŕ | 1000 | 69-3 | 1.1 | .0189 | .0192 | - 38.0
- 38.0 | | 200 | 900 | , F | - CCCF | 4 | |
| | | | . 1897 | 6801 | • | 0035 | 90 | 2649 | 9739
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| 300 WE | ¥355 | 3853 | . 2303 | 6369 | • | • | Š. | | ָרָ בְּיֵלְ
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| 137.300 | 50 65 | 42.34 | 75.27 | • | • | • | 3 2 | | 6 | K. | • | | E, | 8 | |
| 300 CB1 | 9.10 | 150. | 8 | • | • | 13. T | 2000 | | 101 | | ٠ | | H. | ρ., · | |
| 208.508 | .3362 | 5177 | Ž. | • | | • | 3 6 | E | EBO1 | () | • | | #.
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| 28€. 30¢ | 83 | 8 | 3698 | , | • | • | .0067 | 30.50 | 1893 | 500 G | • | | μ, (
n, (| ii. | |
| 200.746 | | , | 17. | • | • | 3 4 | 6529 | 1 (H) | L 1 # 1 | のでいる | Ť | • | (f) (| ř | |
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הַבְּילִים | 7,735 | ' | - 1639 | 6533 - | ٠ | • 68 | 2556 | • | | 1 1 1
1 1 | 1 E | |
| | | | | 7214 | ٠ | | 0113 | 9 3993 | nu (| 6 K | ֓֞֝֞֝֞֝֞֝֞֝֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓ | ; n | įχ | | |
| 100 . SE | 0000 | 2753 | 1351 | 6991 | 4003 | 0195 | 0359 | • | | į, | | - | : | | |
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| DATA. |
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DATE OS SEP 78

ULTERAL CONTROL OF THE PROPERTY

| | ! | | | 2 | FC 98711 | A32F) T6 | HSFC 96711A3EF) T9 53/2 53/2 05 | | SG:: 8005TER | 5 | | (RB2501) | | | |
|--------------------------|------------------|---------|-----------------|--------|----------|-----------------------|---|--------|--------------|---------------------|-------------|--------------|-----------------|---------------------|--------|
| MACH (3) | | 000.1 | ALPHA (8) | • | B. 000 | • | 8.4371 | PTA | | 22.007 | •
| 6.5711 | 35 | • | 30.03 |
| SECTION (1) SAN BOOST | 200 | BOOSTER | | | DEPENC | DEPENDENT VARIABLE CP | ABLE CP | | | | | | | | |
| x/rs | Sec. | 5270. | £101. | | . iōi. | .2240 | .3323 | . 4405 | 8 | .6570 | .7653 | .88 3 | 2216. | 86 | |
| Ē | | | | | | | | | | Ş | | ě | | 77 | |
| 000 | .2300 | | - | • | • | | | 007 | 200 | | 518U | 1 | 1,000 | | |
| 22.500 | .2313 | | | • | • | | | | | | 00/31 | , CZ 01 | 2000 | đ | |
| 45.500 | 219. | 86 | 9160. | 7345 | C056 2 | B*60 | 988 | 2,00 | 881 | 2300 | 500 | 181. | .2078 | 9660 | |
| 67.500 | ć | 0300 | | ' ' | | • | · | 1162 | 1926 | 27.5 | 2973 | .20% | .2278 | .1531 | |
| 90.000 | . 601 | | | • | • | • | | 1039 | . 0269 | . 1917 | 2733 | .2201 | 3.0± | 5452. | |
| 35 000 | 000 | 3793 | | • | • | • | 30412 | 0678 | .0261 | .1536 | 2874 | .2819 | .¥:29 | .3562 | |
| 157.500 | 533 | | | ٠ | 2096 | | 10223 | 0141 | . 0568 | 159 | 3039 | .3231 | . 502C | .4570 | |
| 180.000 | 6253 | | | 5917 | · | 1022 | | .040. | 9.9990 | 1961. | 3024 | .3566 | .5317 | .5216 | |
| 202.500 | .6521 | | .391 | - 5543 | • | • | Ť | .065 | 61±1. | . 22. | \$5.4M. | 86. i | 762 | <u> </u> | |
| 225.000 | .6200 | .6200 | | • | | | | . 0659 | 1451 | .2376 | - 38th | 9251. | Ç. : | 4176 | |
| 247.500 | | | | • | • | • | | 0000. | 200 | 9 | 50.0 | 5 6 | | 07.2 | |
| 270.000 | 3808 | 9804. | | | • | | • | .0463 | 1738 | \$ 60 C | 95.0. | * C 50. | 5011 | 1401 | |
| 292.500 | | | | - 505 | • | • | • | 5940. | 9 6 | שניים.
מניני | 5000 | 0000 | 0110 | | |
| 315.000 | E73. | | • | • | | | • | SCEO. | 99. | . c /U. | | 2010 | | 9556 | |
| 337.500 | .2038 | = | | • | | | | 988.6 | | ָהָילָטָי
מיניטָ | 115 | | | 1165 | |
| 359.000 | .2368 | . 1828 | +990 . B | 7169 | 3197 | 0883 | ±
==================================== | 0077 | 0851. | . godu | 5180 | 1940 | . 200 | 7 | |
| MACH (3) | | . 050 | ALPHA (9) = | | 10.000 | • | 8.4371 | ATA | | 22.007 | æ | 6.5711 | PS. | p | 13.992 |
| SECTION (1) SPM BOOSTER | 1158 | BOOSTER | | | DEPEN | DEPENDENT VARIABLE CP | ABLE CP | | | | | | | | |
| X/~S | .9433 | 32.0. | 5101. 5 | .1158 | 9:51. | 0.25.0 | .3323 | .4405 | .5+88 | .6570 | . 7653 | .8834 | .9122 | .9555 | |
| ā | | | | | | | | | | | | | | | |
| ב
ב | 7.55 | 9511 | 7510. 8 | 7389 | 3122 | 6+60 | 0530 | .0152 | . 1530 | .2472 | 2926 | .1659 | 3775. | . 1219 | |
| 000. | 1653 | | | | • | | 1 | 0521 | .0698 | . 1593 | -,2559 | . 1644 | .2196 | .0541 | |
| 45.000 | 1349 | | | | 1164 8 | 0787 | | | 高. | .2083 | 2485 | .1731 | 1769 | .050 | |
| 67.500 | | | .0129 | 7620 | ٠ | • | | 0805 | 1096 | 8222 | 263¢ | 1700 | 1728 | 10-60 | |
| 90.00 | . 1802 | . 1463 | | • | ٠ | | | 1452 | . | .2201 | C+05. | 9001. | 1551. | 2010 | |
| 112.500 | | | | • | | 0.2270 | /8/0 (| 1141. | . 0034 | מטין.
פרכי | 5,77 | 2 46 | 4337 | 3519 | |
| 135.000 | 9554. | 1808. | מממי | - 589n | • | • | | 0071 | . 0506 | . 1465 | 2892 | 3712 | .569 | .481 <i>2</i> | |
| 180.000 | 5.09 | | | | | | | .0739 | 9.9990 | .2023 | 2880 | ₹04. | .6131 | 5855 | |
| 202.500 | .69 0 | | | 5215 | | 1+30 (| .0811 | . 1036 | . 1651 | . 2393 | 3350 | .3340 | .5375 | .5637 | |
| 225 .000 | .6514 | | 1.4589 | 4732 | | • | · | | .1756 | .2537 | 3624 | . 1668 | . 2958 | 1774. | |
| 247.500 | | | 1705. | 3828 | 3 .2523 | • | • | | . 1825 | .2789 | 2106 | .0516 | 1270 | .3539 | |
| 270.000 | 328 | .3192 | 2 2783 | 5125 | | • | • | . 0892 | . 1939 | . 2 962 | 0016 | .0461 | . 1237 | .1370 | |
| 292.500 | | | | • | · | ٠ | · | .0892 | .2073 | . 2853 | 1356 | . 0594
 | .1205 | . 12 ⁴ 6 | |
| 315.000 | . 1030 | ٠ | • | | • | • | _ | 0000 | .2058 | . 87.46
9300 | 2533 | **60. | \$.5.
.0.00 | 1620. | |
| 337.500 | Ž. | | • | | | | ¥160. | 9.990 | 1999 | 37.56 | 2145
ASS | 1659 | 2092. | BC90. | |
| 360.000 | 8 | BC | 7C10. E | / 383 | 3166 | | | 3C 10. | 2001 | | 3 | ? |) | ; | |

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| | Į. | • | | TABLLA | TABILATED SOURCE DATA, MSFC TWT 567 (1A32F) | E DATA, | HSFC TW | 11 267 (1) | A32F) | | | | | PAGE 276 | |
|------------------------|--------|----------|------------|---------------------------------------|---|--------------|----------|-------------|------------------|--------------|------------------|-------------------|--------|--------------------|---|
| DAIL DO THE DO | 2 | | | ASFC | MSFC 567(1A32F) T9 53/2 53/2 | F) 19 5 | 3/2 53/2 | 55
E0 | SAH BOOSTER | 8 | | (RB2501) | 2 | | |
| - (+) HOW | | 1.250 A | ALPHA (1) | -10.000 | 0 000 | • | 9.2926 | PTA | • 22.008 | | e
e | 6.6822 | ş | • 6.4788 | |
| Though the same source | e west | OCETER | | | DEPENDENT VARIABLE | T VARIAE | ALE CP | | | | | | | | |
| X/LS | .933 | .0722 | . 1013 | 8 | . 1518 | 04-22. | .3383 | CO:1- | 94.68 | .6570 | . 7653 | .8834 | 2216. | 25 | |
| IF& | | , | 1 | | 3 | 1 | 900 | 1833 | 1331 | 7860. | | 0920 | | 200 | |
| 000 | 68 | 8 | | | | . 0X0 | 191 | 279 | _ | 0720 | - 5339 | 0117 | | COST . | |
| 22.500
14.500 | i i | E COS | 3 m | 4001 | | 1605 | 3181 | 3843 | | 1 638 | 5376
- | 500. | | 1928 | |
| 67.500 | | | . 1986 | 4502 | | - N. P. | 5614 | 5018
528 | . 2367 | 1939 | | 0157 | | .2198 | |
| 90.000 | . 0993 | £81. | 9201 | 4897 | . 5545. | 1614 | . £0. | 3900 | | 1435 | | 0167 | | 9690 | |
| 112.500 | | 0000 | 585 | 15157 | | 3354 | 6.4079 | 3221 | | 1515 | 527 | 0012
0002 | 6. C. | .003c | |
| 135.000 | 9.6 | 0843 | .0236 | 5141 | | B+13 | 3212 | 3017 | _ | - 2680 | 4767
- ME76 | 7 60 T | | . 04:50
. 04:50 | |
| 190.000 | 0716 | | .0129 | 529 | 1404. | 2697 | 2663 | 2872 | | 200 | 1,4668 | 0308 | .1786 | .2169 | |
| 202.500 | 07.43 | | OGY | 5749 | | 3975 | 1981 | 0/E | - C760 | 0630 | .4810 | 1115 | | 1961 | |
| 225.000 | .0168 | • | - 2990 | 5303 | | 4236
4236 | 080 | 0.0 | 0320 | | 3067 | • | | .0778 | |
| 247.500 | | | 3188 | -5165 | | | 100 | P. 0819 | - 036 | . 1493 | -,2649 | - | _ | 0366 | |
| 270.000 | 2360 | in. | 3615 | £ 55. | 5 64
5 64 | 1981 | 0733 | 6460 | 0358 | .1559 | 5309 | | | 0237 | |
| 292.500 | į | | | 10/0. | | - 0337 | 0295 | 1119 | O++0 | . 1363 | 5094 | 1481 | | 1396 | |
| 315.000 | .6231 | 1/5/. | 2004 | 1961 | 4153 | .0307 | 0312 | 9.8990 | 0636 | 1018 | 5148 | 047B | D6-85. | 1328 | |
| 357.500 | 659. | | • • | 2286 | .2836 | 313t | 0896 | 1833 | 1331 | . 0397 | 24.3B | UDEU | . 2005 | | |
| MACH (%) | • |
80:- | ALPPA (2) | • | -8.000 0 | • | 9.2826 | PTA | | 22.00e | æ | • 6.68 <i>2</i> 2 | \$ | 8. 4788 | • |
| 1908 H35(1.) SEE BOOST | 55 | BOOSTER | | | DEPENDENT VARIABLE CP | UT VARIA | WELE CP | | | | | | | | |
| ; | 22.40 | 6220 | . 1013 | | . 1518 | . 22.40 | . 3323 | 4408 | 88 | .6570 | .7653 | 889. | .9122 | .9955 | |
| X/LS | | | | • | | | | | | | | | | | |
| ₹ | | | | 6 | iacc | 9 | 0873 | -, 1800 | 19E3 | .0913 | 5089 | 0109 | .3710 | نون ا | |
| 000 | 5797 | | | 2450 | | -,0030 | | 2429 | 1918 | .0185 | 503* | .0136 | | | |
| 22.500 | | 5 6 | | .389 | • | 1086 | | 3236 | • | 0683 | 5110 | 6 | 6 8 | 3163 | |
| 67.500 | • | | | 4274 | | 2427 | • | 3829 | • | CW 11 | - 2193
- 4956 | SE 50. | .0657 | .2180 | |
| 90.000 | Į. | . 2035 | | - F | - | 2633 | 125 | 2004. I | -,1730 | 0682 | -,4785 | 0058 | .0548 | .1139 | |
| 112.500 | ; | | | * 4764 | - 1840
- 1677 | 2126 | 3066 | 2272 | 1802 | 0666 | 4266 | .0178 | .0722 | 0880 | |
| 135.000 | C1.5 | 1289 | | 4928 | • | 1674 | | | | 1153 | -,4503 | .0169 | | 0548 | |
| 180.000 | 7570 | • • | | | • | 2376 | | | | 0415
2400 | 3066 | 51.0 | 1810 | .2110 | |
| 202.500 | .0843 | 1.0943 | | • | | 3609 | 7. 19. | 057U | . 0435
GFF0 - | 080 | | 0758 | .078 | .2219 | |
| 225.000 | .0882 | 82.0° | • | - | | . 4043 | | | | 1232 | 2869 | 1493 | 0644 | .1214 | |
| 247.500 | | | • | | . 1435
186 | CF0F - | | | | . 1657 | 2441 | 1472 | 0744 | \$0.0° | |
| 270.000 | 96. | .4133 | C354. | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | . 1560 | | | | 1754 | 5128 | - 1 WES | 0662 | 9410. | |
| 292.500 | A77% | 5169. | • | | | 0+15 | | | | 1746 | | 0902 | 1864 | 1281 | |
| 313.000 | 1919 | | • | | 3304 | 7710. | | - | | 9051. | | , | 200 | 25.25 | |
| 350.000 | . ETB. | | • | | .2381 | 6100. | 0873 | - 1800 | 1.343 | . 180 | | | | | |
| | | | | | | | | | | | | | | | |

| | | 9 | | | | | 9262 | 4 | 6 | 9 | ā | * 6.6822 | PSA PSA | 4 | 8.4788 |
|--------------|------------------------|----------------|--------------|---------|----------|-----------------------|--------|----------|--------|----------------|--------|--|---------------|--|--------|
| MACH C 43 | n | | ALPHA (3) | | -5.000 0 | • | | <u> </u> | | 22.006 | Ė | | | | |
| SECTION | SECTION 1 1) SPM 80051 | DOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | .1013 | . 158 | . 1518 | . 22¥0 | .3323 | . 4403 | 94.8 | .6570 | .7653 | 4683 | .9122 | 9226 | |
| Ē | | | | | | | | | | | | | | | |
| C00 . | 8×5. | 5535 | 82 €. | まあ・ | 0369 | .0233 | 0623 | 1476 | 0973 | . J. J. | 4524 | .0345 | .2768 | ¥. | |
| 22.500 | 40 2 9 | .4812 | 3983 | - 362t | 1160 | .0000 | 1052 | 1826 | 1243 | .0712 | 4531 | 100 | .2303 | 3290 | |
| 45.000 | ğ | 3918 | 94BC | 3868 | 2049 | 0470 | 1431 | 2185 | 139£ | .0196 | 45.P | .0723 | .1912 | 3496 | |
| 67.500 | | | 2007. | 4051 | | ±60°- | - 1648 | 2023 | 139± | 0336 | 4612 | .0748 | .1792 | .3035 | |
| 90.000 | . 1633 | K | .2603 | - 4230 | | - Mar | 1685 | . 1889 | 1365 | - 4353 | - 4437 | . 0040
C400 | 1731 | <u> </u> | |
| 112.500 | | 8 | . K286 | 4373 | • | - 1 - E | 1703 | - 1674 | 1911 | 5.19. | 3,04. | | 986 | 2002. | |
| 135.000 | 8 | .2.80
 | | 44.72 | | 1160 | 1331 | - 1289 | 1056 | . 0253 |
 | | 8 | 9891 | |
| 157.500 | <u>ሕ</u> | .2046 | .1738 | 一致. | • | ₹
= : | 1003 | 0953 | 0982 | . 0083 | 393+ | .0577 | 1706 | . 1665 | |
| 180.000 | . 1.38 | 1997 | 1668 | 4513 | 3923 | 205+ | 0765 | -, 0598 | 9.8990 | .007 | 3246 | .0320 | ₹. | ₹. | |
| 202.500 | 606
- | 1967 | . 1306 | ₹. | 4039 | 3227 | 0603 | 6395 | 0395 | .070 | 3148 | 0148 | . 1358 | . 160 t | |
| 225.000 | 7.55 | .2181 | .0620 | 2469 | \$0.4° | 3904 | 0603 | 0262 | 0249 | . 1053 | 3671 | 0736 | .0428 | .2160 | |
| 247.500 | | | 1001 | 5650 | 5742 | 3976 |
9 | 0299 | 0265 | . 1379 | 2380 | 1298 | 0395 | .1505 | |
| 270.090 | .3713 | .5153 | 546. | 2850 | - 250g | 3790 | 0998 | 0565 | 0365 | . 1782 | 2221 | 1197 | 0395 | 6190. | |
| 292.500 | | | .6382 | 1948 | .047 | 1485 | 0186 | 0894 | 0540 | 1998 | 5049 | 1078 | 0332 | .0532 | |
| 315.000 | 5664 | .6181 | 5385 | 2890 | 5710. | 0610 | 0031 | 1015 | 0648 | 1964 | 4361 | 0329 | .2396 | 1207 | |
| 337.500 | 7864° | 2886 | .5162 | 3107 | . 0295 | .0016 | 02 | 9.9990 | 0786 | . 1863 | 42B4 | 0495 | .3128 | . 1210 | |
| 350.000 | 87.5 | 55.33 | 4428 | 李高. | 0369 | .0233 | 0623 | 1476 | 0973 | 1340 | #524· | 345 | .2768 | £. | |
| | | | | | | | | | | | • | | | | |
| MACH (4) | . 1.25 | | ALPHA (4) - | | -2.000 0 | • | 9.2926 | PTA | | 22.006 | æ | • 6.6822 | PSA P | | 8.4788 |
| SECTION (| OSPH BOOSTER | OSTER | | | DEPENDE | DEPENDENT VARIABLE CP | KE CP | | | | | | | | |
| X/LS | .0+33 | .0722 | . 1013 | | .1518 | .2240 | . 3323 | £405 | . 3488 | .6570 | .7653 | .883 | .9122 | . 9555 | |
| Ē | | | | | | | | | | | | | | | |
| . 000 | . 3339 | . # 27 # . | 3369 | 3711 | 1581 | .0514 | .0047 | 1069 | ₹690`- | .1722 | 4220 | 10. | 2649 | .2107 | |
| 22.500 | .2682 | \$90¢. | Ä | 3795 | 1869 | .0235 | 0293 | 1190 | 0814 | .1165 | 4146 | 0960 | 93.9 | .3090 | |
| 45.000 | .232 | .3735 | .3431 | ¥165 | 2363 | .0152 | 0535 | 1186 | 0923 | .0815 | 4163 | .0961 | .2×96 | 7155. | |
| 67.500 | | | 354 | 3989 | 2668 | 0397 | 0594 | 1030 | 0880 | . 0 602 | 4138 | 0660. | .2700 | .3080 | |
| 90.000 | 1629 | . 3022 | ¥
E | 4069 | 2834 | 0352 | 0527 | 089∜ | 0761 | . 0652 | 8*0±. | .0920 | .269 | 7.6% | |
| 112.500 | | 1 | 7 | 4163 | - 3005 | 0851 | Disk3 | 0676 | 0591 | .0722 | 3771 | . 1915 | .2650 | . 2759 | |
| 135.000 | 330 | 86
86
87 | 27.62 | +00g+ · | - 30#S | 1102 | 0306 | 0502 | 0443 | .0565 | 3275 | ************************************** | . 2342
542 | 86 Å | |
| 157.500 | P (| . 2083 | S S | 9 | - 3209 | * I ! | 0218 | 0351 | 0365 | .0507 | 27.2 | 829D | . 1883 | . 2270 | |
| 180.000 | <u> </u> | 50.00
60.00 | S S | |) (| /001 | 9010 | 2010 | 266.6 | 190. | £ . | 0100 |) Se . | P | |
| 202.200 | 7 S | Ş, | | 8 | 2114. | 6159 | 98.5 | C : | 0213 | 20/0 | - con- | 0007 | . 0553 | CIVI: | |
| 25.000 | 16/9 | .5/10 | 35. | 15/4 | 585 | - 3062 | UZ34 | 0:51 | 0172 | 501. | 2742 | | 0210. | 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | |
| 036.745 | | | . 3393 | 0044 | 5339 | 3590 | 0367 | 0233 | 0179 | 325 | 2376 | - 158 | 0216 | . 1 192 | |
| 270.000 | .4383 | 2956 | .6260 | 2537 | 2028 | 3396 | 0426 | 0+39 | 0217 | 1967 | 2245 | - 1001 | 0145 | . 0805 | |
| 292.500 | | | .5782 | 2671 | 1957 | 1.75 | | 0614 | 0418 | . <u>2</u> .63 | 5097 | 0872 | .0000 | .0630 | |
| 315.000 | .4381 | 9666 | .+592 | 3461 | 2469 | 0396 | | 0767 | 0521 | . 243B | 4123 | ÷000· | . 888 | . 128¢ | |
| 337.500 | .4083 | 5095 | £ 33. | 3596 | 1708 | 82
83 | . 0250 | 0666.6 | 0605 | 1722. | - 4040 | .0547 | . 3069 | . 0923 | |
| 360.000 | . 3339 | 56.44. | .3869 | 3711 | 1581 | .0514 | . 00%7 | - 1059 | 0694 | . 1722 | 4220 | . 07t | . 2649 | .2107 | |

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| MACH (4) = 1,250 SECTION (1) SPN BOOSTER X/LS . 0033 . 072 PM1 PM1 PM2 . 500 . 5298 . 3885 | | 1.250 A | ALPHA (5) | • | o 000. | • | 9.2926 | PTA | • | 22.006 | 셙 | • 6.68 <i>22</i> | PSA 5 | • | 1 |
|--|-----------------|--------------|--------------|--------|-------------------|-----------------------|-------------|---------|--------------|-----------|---------------|---|---------|--|--------|
| SECTION (X/LS PHI 0000 22.550 | | | | | | | | | | | | | | | 8.4788 |
| X/LS | B 188 | DOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | IBLE CP | | | | | | | | |
| PH1
. 000
22.500 | .0433 | .0722 | .1013 | | . 1518 | .2240 | . 3323 | £034. | 8 | .6570 | .7653 | .883¥ | .9122 | 56 | |
| 22.500 | | | | | | | | | | | | | | | |
| 22.500 | 88 | 3000 | HAC. | 3895 | 2136 | . 1206 | . 0226 | 0902 | - 950 | . 1939 | 3875 | .1030 | ¥12. | 1930 | |
| | . 1917 | N. | .337 | 3892 | 2259 | .0505 | 0239 | 091¥ | 0639 | | 3788 | .1110 | 2882 | \$000
0000 | |
| 45.000 | 178 | 3515 | 3286 | 3970 | 2325 | .0396 | 0452 | • | 0735 | . 1308 | 3782 | .0977 | .3055 | .3167 | |
| 67.500 | | | .33 | | - 2695 | . 0089 | 0339 | 0639 | 0735 | . 1168 | 3759 | .0818 | .3339 | . 3223 | |
| 90.000 | . 1360 | .3110 | .3177 | 4022 | 2709 | 0151 | 0143 | 0405 | 0589 | .0973 | 3638 | .0945 | .3373 | 3090 | |
| 112.500 | | | .3155 | 4101 | 2825 | 0851 | 0018 | 0231 | 0381 | .080 | 3095 | .1143 | .3071 | .2896 | |
| 135.000 | . 183• | 3086 | 3048 | 4099 | 2883 | 1267 | 0059 | | 0259 | .0518 | 2730 | ======================================= | 2598 | .2781 | |
| 157.500 | .e. | .3193 | .3006 | 4089 | 2987 | 1055 | 0069 | 0097 | 0122 | .0452 | 2522 | 9460 | .2197 | ¥1.75. | |
| 180.000 | 22.75 | BEEN. | .3030 | 4172 | 3133 | 1298 | .0015 | .0048 | 9.9990 | .0607 | 2387 | 9140 | 1567 | .2368 | |
| 202.500 | . 2.00 | 186. | . 3020 | 4160 | 3556 | 1480 | 017≄ | 0029 | 0012 | 1.09 | 2550 | .0055 | 9960 | 9115 | |
| 225.000 | .27:0 | £33 | 3255 | 4269 | 3907 | 1722 | 0244 | 0078 | 0015 | .1162 | 2487 | 0564 | .0293 | 1592 | |
| 247.500 | | | £495 | 3661 | 4335 | 2400 | 0232 | 0161 | .0013 | .1436 | 2142 | 0869 | .0026 | 1388 | |
| 270.000 | =
Ā | .6093 | .6502 | 2381 | ¥12. | 2769 | 0140 | 0361 | 004 | .2041 | 2029 | 0746 | 2800 | -1050 | |
| 292.500 | | | .5043 | 3248 | 2975 | 1143 | .0380 | 0481 | 0256 | .2703 | 6964 | 0672 | 74-50 | 0.043 | |
| 315.000 | . 3062 | .¥963 | 3858 | 3900 | 2630 | 0173 | . 0363 | 0614 | -,0389 | 2749 | 2879 | BR90 | | 6661 | |
| 337.500 | 2632 | #30f | .3609 | - 3943 | 2349 | .0305 | 60 | 9.9990 | 0526 | 75 | . 3733 | 100 | | 1920 | |
| 350.000 | .229 | 3865 | OFFE. | 3895 | 2136 | . 1206 | .0226 | 0902 | 0464 | 1939 | -, 3875 | 1030 | - F | 1930 | |
| EACH C | 98 | | A.P.W. (B) • | | 000 | • | 9000 | 410 | 800 | ğ | 8 | 66030 | | | 9 |
| | | | | | | | | • | | | į | | | D
1 | B |
| SECTION (1) SPN BOOSTER | 08 HBSC | OSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | . 9.33 | .0722 | .1013 |
 | . 1518 | .2240 | .3323 | . 4403 | 8 | .6570 | .7653 | .8834 | .9122 | 60
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| 000 | 120 | 1886 | 2806 | 3975 | £6. | .0386 | 0902 | - 0595 | 0366 | 2128 | 2775 | 2 | 200 | 050 | |
| 22.500 | 98 0 i . | . 282
828 | .282 | 4006 | 2517 | .0190 | 0928 | 0516 | 050 | 262 | - 3295 | .1143 | 3112 | 2816 | |
| €3.00D | | 1983 | 2809 | ¥100 | 2622 | - 023
- 033 | 0665 | 0453 | 0665 | . 1581 | 3299 | 0960. | .3618 | .3207 | |
| 67.500 | | | 2682. | 0 to 1 | -:87 | 0083 | 0279 | 0245 | 0632 | *! *! . | 3303 | .0983 | .3690 | .3090 | |
| 30.000 | | 5/63. | 0505. | | e ⁿ 81 | 1649 | 0021 | 0096 | 052 | =
6 | - 2926 | .1332 | .3346 | .290 | |
| 175 600 | 9416 | 900 | 06.6 | 5/65 | 165. | 2 | Co i | . 000 | 0420
- | 8960 | - 2559 | . 1497 | .2857 | .2753 | |
| 157.500 | 6.65 | 925 | 00 E | /665 | - 2822 | 1.156 | 2530. | * 000 · | 0336 | C6 10 | . 2407 | . 1516 | | .2761 | |
| 180.000 | 95.90 | 399 | 9400
M | 1466 | 2726 | 0820 | - One - | 0000 | 2000 | 0000 |) (C.) (C.) | 2 | | 1000 | |
| 202.500 | . 2875 | Ests. | .3536 | 3972 | | 0919 | 0132 | - 1011 | 7510 | 000 | 200 | | 10 T | Sunc. | |
| 225.000 | .3105 | .5086 | 3995 | 3869 | | 0985 | 0265 | 0161 | 30.0 | 1116 | 2525 | 0231 | | 8 | |
| 247.500 | | | . 5303 | 3051 | 4091 | 1594 | 0216 | 0137 | .0162 | <u>\$</u> | - 1840 | 0552 | | 1638 | |
| 270.000 | 7585. | 286. | | 2391 | 4342 | - 1950 | 0108 | 0253 | .00 <i>7</i> | . 2038 | 1709 | 0460 | | 1345 | |
| 292.500 | | | | 3959 | | 1256 | . 025
25 | 0315 | 0032 | . 2724 | 4261 | 0310 | | 9111 | |
| 315.000 | | 3962 | | 4391 | • | | .040 | 0435 | 0177 | . 2803 | 3452 | . 0563 | .3075 - | .0736 | |
| 337.500 | | . W-87 | | | 3035 | | 0186 | 9.9990 | 0311 | .270ts | 3305 | . 1072 | 3242 | .0751 | |
| 350.000 | . 1201 | .2958 | - 3065 | - 3975 | 257 | .0386 | 0902 | 0595 | 0366 | .2128 | 3375 | .1152 | | . 1859 | |

8.4788 PAGE 9771. 9771. 9771. 1958. 19 . 1636 . 0802 . 0802 . 1680 . 1680 . 3590 . 3590 . 3590 . 3590 . 3693 . 134: . 134: . 159: ð .9122 474. 465. 1919. 19 IRB2501 6.6822 .883 9881. 9881. 5902. 5003. 16881. 1689. 1000. 1000. 1000. 1378. .683 . 1988 . 1489 . 1402 . 1364 . 1609 . 2094 .2306 .2221 .1636 .0333 .0033 .0050 .0050 .382 785.5 - 2826 - 2750 - 2750 - 2730 - 2733 - -.2362 -.1123 -.2487 -.2553 -.2705 -.2826 -. 1297 .7653 - 2819 - 2819 - 278 - 278 - 278 - 278 - 2819 - 2819 - 205 - .6570 .2525 .2525 .2653 .2618 .2618 6570 90 SPM BOOSTER સું **8**5. - . 0387 - . 0387 - . 0387 - . 0550 - . 0559 - . 0348 - . 0148 - . 0348 - . 0348 - . 0358 - . 0358 - . 0532 - . 0532 - . 0532 - . 0532 - . 0532 8 3. . 0898 . 0898 . 0898 . 0899 . 0899 . 0899 . 0899 . 0899 . 0899 . 0899 . 0899 . 0899 TABILATED SOUNCE DATA, HISTC THT 567 (1A32F) -.0242 -.0217 -.0217 -.0021 -.0021 -.0021 -.0017 -.0017 -.0024 -.0024 -.0024 -.0024 -.0024 -.0024 -.0024 -.0024 -.0024 -.0024 £ 33 - 0366 - 0466 - 0466 - 0357 - 0357 - 0663 - 0663 - 0663 - 0663 - 0663 - 0663 - 0663 - 0663 - 0663 - 0663 £ 63 PTA HSFC 567(1A32F) 19 53/2 53/2 03 - . 0425 - . 0826 - . 0726 - . 0737 - . 0197 - . 0197 - . 0197 - . 0112 - . 01020 9.2926 .3363 - 0036 - 08189 - 08186 - 1054 - 0918 - 0918 - 0031 - 0031 - 0031 - 0031 - 0183 - 0031 . 3323 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP . 0009 . 0007 . 1110 . . KP. -.0748 -.0801 -.1039 -.2067 -.1481 -.0256 -.0256 -.0265 -.0265 -.1618 -.2849 -.2849 -.1656 -.1656 .22.0 .1518 - .2685 - .2476 - .2192 - . 294.7 .1518 -. 3216 -.3892 -.3156 -.2535 -.1897 -. 2305 -. 2305 -. 3640 -. 1481 -. 1440 **B**.000 5.000 . i 58 - 4343 - 4142 - 3975 - 3944 - 3750 - 3637 - 3637 - 3637 - 3650 . . . 380 - . . 380 -.2507 .158 -,4808 -,4734 -,4376 -,4026 -,3528 -,3528 -,3580 -,3580 -,3580 -.1851 -.2882 -.4366 -.4576 ALPIN C 2 .1013 . 1968 . 2065 . 2065 . 374 . 3156 . 3156 . 3815 . 3 . 5005 5848 1987 . 1832 . 1990 .1565 .2367 .3158 .3772 .4938 .4938 .5393 .5399 .-0324 .1280 .0722 333. 384. 588. 57.8 57.8 . 1853 1853 1853 2066 .0722 .5377 .1623 .4655 .4655 .9496 .6138 .4765 SECTION (1) SAN BOOSTEI SECTION (1) SAN BOOSTER <u>.</u> .9433 1092 0377 1409 .1096 .933 25.00 .4838 .5358 . 1067 5256 3069 P 9 HACH C 43 TACH C 43 90.000
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(R8250) SRM BOOSTER MSFC 567(1A32F) 19 53/2 53/2 03 8.4788 6.3619 . 9555 .0596 .0732 .0732 .0312 .0375 .1336 .4733 .5222 .4733 .5222 .4733 .5222 .4733 .5222 .4733 .5222 .4733 .5222 .4733 .5222 .4733 .6222 .4733 .6222 .4733 .6222 .4733 .6222 .4733 .6222 .4733 .6222 .4733 .6222 .4733 .6222 .4733 .6222 .4733 .6222 .4733 .6222 .4733 .6222 .4733 .6222 .4733 .6222 .4733 .4733 .4733 .6222 .4733 9555 ğ .9122 . 3236 . 3334 . 2023 . 1631 . 1631 . 1631 . 4033 . 4037 . 4037 . 4037 . 1951 . 1951 . 1961 . 3238 . 1935 . 1935 . 1935 . 1935 . 1930 . 1930 . 1930 . 1931 . 1931 . 1931 . 1931 . 1931 . 1931 6.6822 9441. 9551. 9551. 9551. 9551. 9567. 9573. 95 .883 . 0220 . 0278 . 0278 . 0498 . 0498 . 0498 . 1172 . 1173 . 1360 . 1393 . 1364 -.2221 -. 056¥ .683 .7653 . 2053 . 2063 . 2083 . 2709 . 2709 . 2763 . 2763 . 2865 . 2763 . 3014 . 3110 -.1240 -.0623 -.21*27* -.2152 -.2252 -. 3475 -. 3932 -. 3585 -.3545 -.3449 -.3389 .7653 -.3917 -.35:0 -.2311 -.4171 본 .6570 .1268 .1335 .1338 .0986 .0986 .0099 .0708 .1300 .1691 2453 2453 2408 25391 2082 - 2418 - 3199 - 2419 - 2029 - 2029 - 2029 - 1082 - 0350 - 0654 - 0656 - 0656 - 0656 - 0656 - 0656 .6570 -.0216 -. 1196 22.008 . 100 -.3632 -.2946 -.2877 -.3449 -.4034 9.9990 -.0420 -.0430 -.0430 -.0430 -.0604 . 0988 . 0983 . 0983 . 1978 . 1137 . 0678 . 0808 . 0808 . 0808 . 0808 . 0808 . 0808 . 0808 . 0809 . 0809 . 0809 . 0809 . 0809 **8** £ 53 -.0853 -.0853 -.0893 -.1089 -.1740 -.1949 -.1049 -.0149 -.0149 PTA .0221 .0388 .0321 9.9990 . 1403 -.0939 -.3619 -.4127 -.3861 -.3027 -.2768 -.0560 -.0364 -.0322 PTA -.0597 -.0306 -.0232 9.9990 .3323 -. 1#86 -. 1884 -. 2082 9.886 -. 1936 -.1053 -.0211 .0221 .0317 .0175 -.0307 9.4738 . 3323 .0309 -. 16v6 -. 2996 -. 3841 -.4008 -.3682 -.3439 -.2993 -.1809 -.1091 -.0547 -.0203 .0734 .0985 DEPENDENT VARIABLE CP 22.0 -. 2066 -. 2663 -. 2663 .0093 -.0166 -.0190 -.0594 -.1770 -.1632 -.2839 -.3047 -.2518 -.0949 .2240 -.1770 -.2808 -.2461 -.1591 -.2119 -.3295 -.3525 -.3396 -.3347 -.0878 .0353 -. 1659 1518 . 1555 . 0420 . 0899 - 1965 - 3016 - 3016 - 3017 - 301 - 301 - 301 - 301 - 301 - 301 - 301 - 308 - 3693 - 3655 - 3655 - 3655 -.4018 -.2248 -.0915 李二. -.2593 .1518 -. 0886 - 1565 - 1W - FEB 10.000 -10.000 **96** = . . 15000 . 15000 . 15000 . 15000 . 15000 . 15000 . 15000 . 15000 -.4064 -.3579 -.3378 -.2585 -.2947 -.4322 -.4338 -.5159 . 156 -. 1557 -.1307 -. 3924 -.1149 .0556 -.0452 -.0837 -.4804 -.4791 â . 1013 6730. 6050. 1649. 8550. 850. 1850. 5181. .3026 .3892 .4659 .5215 .5763 .6431 .4573 -.1794 -.2052 . 1013 .6031 .5202 .4075 -.0190 APA esco. . 3592 . 4924 . 5950 . 5733 . 98. 45.80 8 8 8 8 8 8 8 .4186 000 .0722 .5406 .5406 .4165 1542 .0387 .0423 .0750 .0893 0848 4712 7326 SECTION (1) SAM BOOSTES (1) SPM BOOSTER .9433 £ 5. .6105 .6385 .5951 .0433 ge. .950. 1976. -.009+ -.0039 -.0029 . 1268 .5918 .6848 .599 380 -.0029 .2343 MACH (*) ACH COS 93,000 135,000 137,500 180,000 225,000 227,500 227,500 237,500 337,500 22.500 45.000 67.500 90.000 1135.000 1137.500 1137.500 225.500 227.500 225.500 315.000 337.500 .000 .52.300 .53.000 62.500 SECT1.A X/LS

TABULATED SOURCE DATA, MSFC TNT 567 (1A32F)

| -8.000 0 | 2 | | | | | | | |
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DATE OS SEP 73

| | | | | Ā | HSFC 967(1A32F) 19 53/2 53/2 03 | 2F.) TO | 3/E 53/E | | SPH BOOSTER | 5 | | (18850) | 2 | | |
|--------------------------|-----------|----------|--------------|---------|---------------------------------|---------------|----------|--------------|--------------|-------------|----------|------------|--------|--------|--------|
| MCH (S | 1.460 | | ALPIK (8) | • | 2.000 a | • | 0.4738 | 474 | - 22.009 | 96 | ي. | 6.5300 | AS. | • | 6.3619 |
| SECTION (1) SPM BOOSTES | 38 88 | OSTER | | | DEPENDENT | I VARIABLE CP | KE CP | | | | | | | | |
| X/LS | . y33 | . 0722 | .1013 | 8 . | 9161. | .2240 | .3323 | 5034· | 8 | .6570 | .7653 | . | .9182 | .9556 | |
| æ | | | | 1 | į | ć | 4 | 000 | | 2186 | L'S. | 1303 | .3303 | 3099 | |
| 900. | 1207 | 2 | | | | | 0000 | 8 | . 9.13 | 1612 | 8 | 1487 | .3160 | .3907 | |
| 22.500 | <u>.</u> | | | | | | 8180 | 3 | 00.0 | 1122 | 35 G | 0829 | .3160 | .3789 | |
| 43.000
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S | | | 676 | £0. | 0710. | 0315 | .057 | 2347 | 0319 | | .3513 | |
| 67.500 | • | Š | | 28.5 | | . 0585 | 0000 | 0168 | 0180 | .00B | 1890 | .0133 | | .3171 | |
| 000.06 | <u> </u> | Ę | S S | 200 | 1785 | 1021 | .0379 | 0176 | 0167 | 0078 | 1409 | ₩60. | | 305 | |
| 136 000 | 5,61 | 1842 | 3171 | 2396 | 1731 | - 1188 | 0440 | 0147 | 0135 | 0053 | 1556 | 135
135 | | | |
| 157,500 | 5 | 80 | 3773 | 2250 | • | 1213 | .0285 | 5090 | 0078 | 02130 | 1335 | <u> </u> |) (c) | 6. K | |
| 180.000 | 2360 | 3136 | .4083 | 2205 | - 1560 | 0896 | .0097 | 002+ | 0666.6 | S | | | | 9,700 | |
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| 247.500 | | | Ž. | 1213 | - 3086 | 1870 | 0196 | 6100. | e. sy | 190c | 2007 | | | 1615 | |
| 270.000 | 2553 | 95.5 | .718 | 0446 | | 200 · | . O. 60 | .0000 | | | 2/60. | 9000 | | 3 | |
| 292.500 | | | 5233 | 2063 | | 1687 | 0838 | 756 | 26.20°- | 30.50 | 1000 | 0600. | | 61.5 | |
| 315.000 | | 505 | .3687 | 2669 | | 06*1 | - 1081 | . 0550 | 0343 | 0015 | 25.5 | 0.40 | | 9 | |
| 337,500 | 1514 | .3572 | 3430 | ĵ. | 2390 | 9490. | 1107 | 0666.69
6 | 0372 | 20. | S 1 | 9400 | | | |
| 360.000 | . 1207 | .2622 | .3038 | 2467 | 2011 | 17. | 1150 | .0570 | 0388 | 98.6 | 24.71 | 1383 | . 3503 | ceuc. | |
| | | | | | | (| 07.74 | 410 | 90.00 | 600 | æ | 6.5300 | ş | • | 6.3619 |
| MACH C 53 | • | 4 S | ALPHA - 70 • | | 9.000
0 | • | 9 | • | | 3 | ! | | | | |
| SECTION (1) SPH BODSTE | 13 SPM BR | DOSTER | | | DEPENDENT VARIABLE CP | IT VARIA | BLE CP | | | | | | | | |
| S 1/X | 6633 | .0722 | . 1013 | 50. | 1518 | .2240 | 3353 | £01 | 98.5° | .6570 | .7653 | .883· | .9122 | 600 | |
| | | | | | | | | | | | | | | | |
| Ē | • | • | | • | Ĭ | 9 | | 0680 | .0117 | .2313 | £ | 0491 | .3193 | 300 | |
| 3 6 | | | | | 200 | 0.513 | 5 | .080 | 0023 | . 1709 | 1822 | -: 189 | .3326 | .3697 | |
| 200 | | ē ē | 900 | 8 | 223 | 033 | 0462 | 66.0 | 0155 | . 1383 | 1810 | 913 | | 3613 | |
| | | • | 181 | . 2870 | 2196 | 1221 | 0825 | 0347 | 0155 | 124 | 1535 | 0900 | 3603 | i
K | |
| 000.06 | .1505 | . 1905 | .2207 | 2763 | 203 | 1278 | 00 | 0576 | 0208 | . 1003 | 1416 | 999 | 6 8 | | |
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8 | 33 | 0000 | . O**U | 06.20 | 5450. | 2 | 266. | 0503. | 0022 | |
| 135.000 | .23BC | 200 | .3501 | 2313 | | 1167 | . 029. | 0375 | 5330
5330 | 930u'- | 100 | 1823 | 565 | 3767 | |
| 157.500 | Ŗ. | 95. | ¥154. | 2087 | | 073 | Ç | ueto | . 0000 | 96 | 200 | 1 | .2673 | 3493 | |
| 180.000 | 李 | 9464 | - B20 | F 6 | | 0378 | 0200 | | 0.550 | 500 | 2 | 6,01 | 47.15. | .3273 | |
| 202.200 | .3307 | 50 | 5239 | . 1805 | . 193 | 960 | 00:00 | 5000 | 900. | 5.5 | 172 | 0320 | 1108 | 2345 | |
| 225.000 | Ë | 8 | 7185 | 5/01 | | | 2000 | 90. | 1210 | É | .059 | .0032 | 3480· | .2039 | |
| 27.500 | : | | 7620 | 5 | ECC3. | 000 | 0360 | . E | 2 | 1554 | 0568 | 6100. | 0630 | .2151 | |
| 270.000 | | 6 | UC6/. |) CO | 200 | 90.0 | - 03k7 | 68.0 | . C2C7 | .2733 | 1595 | .029 | 0660: | .1757 | |
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קַּיָּ | 200 | - 3821 | 1872 | - 0593 | 0571 | .0167 | . 2869 | 1603 | .077 | 3008 | 0440 | |
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| | | | | X | HSFC 567(1A32F) 19 53/2 53/2 03 | er (45 | 3/2 53/2 | | SAN 800STER | 2 | | (1052801) | <u>=</u> | | |
|-----------------------------------|---|------------------|--------------|----------|---------------------------------|-----------------------|--|----------------|--------------|--------------------|---------|---|-------------|------------------------------|----------|
| HACH (5) | 1.450 | | ALPIM (8) | • | 6 .000 | • | 9.4738 | PTA | SS: | 22.00 9 | ٠
و | 6.5300 | ž | • 6.3619 | 6 |
| SECTION (| 1) SPH BOOST | OSTER | | | DEPENDENT VARIABLE | T VARIAB | 6 | | | | | | | | |
| X/LS | E. 3 | .0722 | .1013 | 951 | 9161. | .2240 | . 3323 | . 4:35 | 98.F. | .6570 | .7653 | . | . 9122 | . 9555 | |
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| 930. | 1610 | | <u>.</u> | | | -,0314 | 6480 | 9010 | 0338 | . 159 | 1710 | 1008 | .4153 | 3148 | |
| 22.500 | | | 5 | 200 | 25.0 | 0922 | 0882 | 0077 | 0334 | .062£ | 1799 | 0330 | .¥587 | . 33
33 | |
| 52.500 | 2 | | 101 | £2. | . 28
26 | 1947 | 0950 | - 8 - | 0199 | .1131 | - 1662 | 1217 | | . 1614 | |
| 90.00 | 1266 | . 1782 | .1769 | 3115 | 250° | - 186 | 1302 | - 1097 | 0387 | 7101. | - 1587 | /GE ? | 26.5 | 3142 | |
| 112.500 | | Ş | 97.50 | 1575 | . P. 16 | 1665 | 1784 | 5.1. | 0310
0310 | 0277 | - 1261 | 9615. | 3685 | 373 | |
| 135.000 | 8. S. | 2 6 | 500 | 446 | 6901 | . 9436 | 0770 - | 0792 | 9440 | 0171 | 1339 | . 2263 | .3758 | .4305 | |
| 000.761 | 9 9 | | 135 | 171 | 0555 | 2010. | . 0232 | 0101 | 9.9990 | .0596 | 1159 | - 1959
- 1959 | .3403 | 867 . | |
| 202.000 | 7777 | 6313 | 5913 | 1533 | 0525 | 0240 | .0559 | .020 | .0 20 | . 1073 | 1482 | 960 | . 24B0 | 0. 1 . | |
| 225.000 | 105 | .6717 | | 1190 | 1302 | 0550 | . 059 <i>2</i> | .0306 | .0323 | 1518 | 0861 | 5210. | 0360. | .27 36 | |
| 247.500 | | | .770 | 0073 | 1965 | 1765 | . 0228 | .0347 | 6940 | 9205 | 1610 | 00c0 | 980 | | |
| 270.030 | . 1983 | 9 .
9. | 66. | 0725 | 3161 | 2398 | | 9620. | 0170. | 10% | CC30 | 57.10 | 0776 | 1851 | |
| 292.500 | , | 1 | 069 | - 383¢ | 3776 | Ç i | S 6 | 2000.
8180 | 960 | 2873 | B0*1. | .078 | 1765. | .0629 | |
| 315.000 | 3 | E I | 8 9 | , 20 · | 2000 | 188 | 1040 | 0666 | 988 | 2918 | 1706 | .0562 | .3867 | £99 | |
| 337.500 | 5 60 | | 2 | 3000 | | 3 = | 0770 | 9850 | 0388 | 200 S | 1632 | 0052 | .3597 | .2266 | |
| 360 . 000 | 0191 | | <u>\$</u> | 1.3340 | 19/9. | 2 | | | | | | | ļ | | |
| HACH (5) | · | 1. 480 AL | ALPHA (9) - | | 10.000 0 | • | 9.4738 | PTA | 8 | 22.00 9 | ď | 6.5300 | E | 6.3619
• 6.3619 | 9 |
| SECTION (1) 599 BOOST | 20 1826 (1 | XOSTER | | | DEPENDEN | DEPENDENT VARIABLE CP | LE CP | | | | | | | | |
| X/LS | .0433 | .072 | .1013 | . 156 | 151. | .2240 | . 3323 | 6 | 8 | .6570 | .7633 | 8 | 2216 | . 9555 | |
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0.000 | 0072 | Ç | 550 | | 2000 | 28.4
1 | 2190 | 9770 | 0497 | .0857 | 1558 | 0741. | .2716 | .1536 | |
| 90.000 | <u>\$</u> | . 1531 | 121 | ĘW. | 2823 | | 279 | 1411 | 0456 | 1770. | - 198 | 1861 | 888 | 2005 | |
| 112.500 | | | 87 %. | 2886 | 2270 | . 2012 | 2396 | 2731 | 0992 | 9090. | 1746 | .2238 | 387 | 5.50
6.05
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6.05 | |
| 135.000 | 3365 | .4157 | 3708 | 2359 | - 1510 | 1167 | 0.1.4.50
 | 86 | 5/41. | - C0.10 | ניירן י | ָ
בְּבָּי | 177 | 4720 | |
| . 57. 500 | 500 | | /c/*. | 2 0 | £ 6 | CBUO | 200 | A 00 | 0666 | 5150 | 137 | . 2321 | 50 | 950 | |
| 160.000 | 020 | | 9000 | 200 | 6100 | 8600 | 0832 | 9.5 | .0335 | 9660 | 163: | 300: | 1067 | .4433 | |
| יינים אנה
מים אות | 200 | 706 | 5069 | 2.09 | 0460 | 0450 | .0870 | 5750. | . 0535 | ₹ <u>0</u> | 1299 | 3050 | 980 | .2871 | |
| 27.000 | }
! | | 9.0 | .0151 | 0722 | 1559 | .0359 | から、 | . 0691 | 5008 | 0166 | -010 | *n | 2533 | |
| 270,600 | 23.05 | 5 | 8 | 0819 | 1692 | 2899 | - 1231 | . 0208 | .0987 | . 2509 | 0187 | 0
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135 | ត្ត [| 6230 | |
| 292.500 | ! | | . 0¥0. | 3761 | 4227 | 2925 | 0313 | . C5 82 | 1188 | 2795 | 1489 | C27E | | - A A | |
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|--------------------------|---|--------------|----------------|--|--|---------------------------------|------------|-----------------|--------------|----------------|--------------|--------------|--------------------|----------------|--------|
| MACH (6) | 8 | • | ALPHA (3) | • | -5.000 | • | 10.290 | PTA | | 27.998 | 2 | • 7.0986 | X | • | 3.8676 |
| SECTION (| SECTION (1) SPN 30057EM | XOSTER | | | OKBENO | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | . 9.33 | .0722 | . 1013 | . 136 | 9161. | . 22v0 | . 3323 | | 88.5 | .6570 | . 7653 | 8 63 | .9122 | 8 | |
| Ē | | | | | | | | | | | | | | | |
| 8 0°. | 8 15. | . 2523 | 100 | BC.10 | ees | 0056 | 0600 | 0022 | .0050 | - 67.0 | . 1935 | 8 | 8 | A 98 | |
| 22.500 | . 2303 | 345 | 88. | - 1060 | | | 9440 | 5 | 0060 | 0338 | - 1662 | 0687 | Į, | Ŕ | |
| 45.000 | 8 8 | £4. | .2327 | 1242 | | | .09 | 0596 | 0217 | 0352 | 1874 | 050+ | ŗ. | 27.75 | |
| 67. 500 | , | | .2210 | - 1281 | | | .0156 | 0360 | 01% | 0263 | 1760 | 0325 | 3105 | 1713. | |
| 00.00 | <u>~</u> | .23 . | .2130 | 1314 | • | • | 0120 | 0.050 | - 0089 | 0232 | - 17£ | 0307 | ¥. | . 2616 | |
| 000.511 | 606 | 6 | .2033 | | | | 0015 | 0263 | 0900 | 0109 | 1450 | 0132 | 30+0 | ŗ. | |
| 155.000 | C 583 | 3 6 | | יייייייייייייייייייייייייייייייייייייי | | BOAD. | elso. | 6200. | 0810 | 0069 | - 135
350 | 666 | -2169 | . 23-13 | |
| 180.300 | 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1703 | 2015 | 2 2 2 | | 0.00 | | \$1.0° | 1910. | D 500. | 1450 | 7.80. | 80. 5 | . 985
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| 205.500 | . 1237 | 787 | 3361 | . 0511 | • | 188 | 3.5 | (F. S. | 200 E | 100. | | C 1957 | 1 00 C | 8 8 | |
| 225.000 | 1. | .2135 | 88.25 | 9.32 | • | • | 1142 | 0007 | .0203 | 20. | 9 | R # | 690 | 8 | |
| 247.500 | | | 7167 | .0308 | | • | 0960 | 0740 | . 0503 | 0.50 | 1393 | 0143 | 6 | 1 | |
| 270.000 | . 1572 | 88. | 1.0336 | . 2423 | 1467 | • | 1215 | 910 | 0135 | 640. | 3 | 0139 | 1651 | 909 | |
| 292.500 | | | .8989 | .1456 | | 1934 | 60*0 | .0
98 | 9410 | 0030 | - 1666 | -0115 | · | 9656 | |
| 315.000 | <u>.</u> | 1 | -
- | 0410 | 0996 | 0518 | 5160. | .0387 | .0319 | . 0039 | 1879 | 6189 | ٠ | 95.25 | |
| 337.500 | . 206 0 | <u> </u> | 53 | ₹
6 | 0135 | 0012 | .0391 | 9.9990 | .0315 | 0053 | - 1689 | 0030 | | K. | |
| 360.000 | .21 9 9 | .2523 | 2923 | 0778 | . 0052 | 0056 | .0090 | 0022 | . 0052 | 02*8 | 1925 | 0921 | 8 元 | 30% | |
| MACH (6) | 98. | | ALPHA (%) | • | 000. | • | 10.290 | A T Q | . 23. | 85.73 | ď | 7.0986 | ð | | 3.8878 |
| SECTION (1) SPN 80051ER | 13 SP 80 | DSTER | | | DEPENDE | DEPENDENT VARIABLE CP | E Co | | | | | | | | |
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| X/FS | 5 | .0722 | . 1013 | 9 | 9161 | . 2240 | . 3323 | £ 8 | 8. | 0.00 | . 7653 | . | .9122 | 8 | |
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| 26 0 | . 1753 | | .2310 | 00-3 | 0286 | .0067 | 000 | 0263 | 5 | . 0033 | 1729 | ****** | .2737 | CHES | |
| 22 · 500 | 9 | 98 | .2160 | 1238 | 0647 | - 0286 | .0107 | 0463 | 0600 | - 000 | - 1682 | .0033 | 3075 | Ā | |
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د | - 147 | 0878 | 5 | .0338 | 833 | .0143 | 0115 | 1608 | .0173 | 4 | <u> </u> | |
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2000 | 2 2 2 | 1969 | . 0342 | 3 E | 0267 | 67.20 | 1100 | 154: - | .0311 | W. F. | 27.56 | |
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| 135 000 | 8 62. | 7505 | .2133 | 1313 | - 0014 | 0337 | 03*B | 03.1 | 02.20 | 0097 | 103. | 5 5 | | | |
| 157, 500 | €06. | <u>\$</u> | 1623. | - 1263 | 0729 | 0533 | 0533 | .0330 | .0312 | 5110. | 1316 | 122 | | 7.60 | |
| 180.000 | | | 233 | - 000° | 0338 | 0625 | ∘.0390 | .0327 | 9.9990 | .011E | 1321 | 401 | | 57.7 | |
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| | | į | E**3 | 9101 | 1368 | 2217 | 9336 | 6311 | . 9055 | 2115 | •.1623 | .6159 | - 3u£, | đ, | |
| | | | .6123 | 900. | 1307 | 0926 | | . 0229 | . 02% | .0255 | 1639 | .0308 | ٠ | 888 | |
| מטט יכני | 101 | 9 | Ç | 0587 | 0407 | | | 36 66 .6 | .0206 | 0153 | - :653 | . 0385 | 365 | 2503 | |
| | 20/ | <u>§</u> | . 231 0 | E 460 - | - 058 6 | .0087 | 003* | 0263 | & | .0033 | . 1729 | +.C+2+ | .2737 | 73267 | |

CATE: 05 SEP 75

MSFC 567(1A32F) T9 53/2 53/2 03

(1052gE)

STEN BOOSTER

| (IVE) |
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| TET 367 |
| |
| E DATA. |
| D SOURCE |
| TABLATED |

| PACH (6) | • | 98.1 | ALPHA (5) | • | 2.000 G | • | 10.250 | 414 | • 27.99 | 8 | ٠
• | 7.0986 | ž | 3.2676 |
|-------------------------------|---------------|---------------|------------|---------------|-------------------------|----------|------------|--------------|---------------|----------------|-----------------|---------------|-----------------|---|
| SECT10N (| M 485 C - | BOOSTER | | | DEPENDENT VARIABLE CP | r varia | es 31 | | | | | | | |
| x/r8 | . 9.33 | 22 50. | . 1013 | 8 21 . | 1516 | . 2240 | . 3323 | 8 | 8 | .6570 | .7653 | 8 | 2216. | £698: |
| Ē | į | | 9 | 98 | Š | 9 | 0000 | 0102 | .0131 | 6256 | 1522 | .003R | 86. | 3330 |
| 8 | | | | | | 9 | 9250 | 680 | 56.93 | \$ 100· | 1512 | -0705 | 000 E | .1671 |
| 25.30 | | | • | 1 1 1 | 8 | 0.83 | 6530 | - 0233 | . 8 23 | *60. | 1398 | 6 101. | 34. | 9C.7 |
| 45.000 | 3 | | 2 | 1337 | | - 940 | 30. | 0023 | .973 | 80. | | .0703 | 86. | 3246 |
| | 62.15 | .2160 | | 582 | _ | - 0455 | .0263 | 5410. | .0369 | .010 | - 6662 | 8 | S. S. | 7967 |
| 112.500 | | | | . 188 | . 69 | 0386 | - <u>9</u> | .0379 | 55.5 | 3 i | <u> </u> | 9151. | 6.22. | , d
1 |
| 135.000 | 23.6 | S. | · | 1198 | 0635 | 0320 | - 044 | \$ | .027± | .0176 | - 1036 | 8 | ē | . P |
| 157.500 | e Z | 86 | | 1072 | 0536 | 0378 | 9449 | .03¥6 | 0350 | 2 | 901 | 8221 | | .26:3 |
| 180.000 | S. | 20 | • | . 0663 | . 0005 | | - 550. | 9 | | 1610 | - 1209 | .0738 | | . 1575 |
| 202.500 | . 225.
25. | | Ç į | 0.00 | | 1280 | 0.00 | 0010 | 0120 | .0639 | 8 | 90 to: | | 6 |
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| 350 000 | 1399 | 1.98 | • | 0888 | 0631 | .0338 | .0033 | F. C102 | .0:31 | .0266 | 1522 | . 0330 | ķ. | 333. |
| MACH : 63 | • | 8. | ALPHA (B) | • | 5.000 0 | • | 10.290 | 474 | | 27.998 | d | 7.0986 | 8 | 3.8676 |
| SECTION (1) 59N B0057ER | B 185 | R31200 | | | DEPENDENT VARIABLE CP | T VARIAS | LE CP | | | | | | | |
| XILS | .9433 | .0722 | . 1013 | | 9151. | .2240 | .3323 | £044. | 8. | .6570 | . 7653 | 68 | . 9122 | 9555 |
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| 1, 12, 12, 12, 12, 12, 12, 12, 12, 12, | | 3335 | £89. | 6969 | 1267 | | 3 | .0791 | 6 0. | <u>6</u> 29 | .067 | - 1259 | • | Ž. | Š | |
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 - | | EC 4.5 | - 1083 | ٠ | 1977 | - 0208 | 3330 | C89. | 2683 | 629. | 6 | 1336 | 3880 | |
| | 000 % | 200 | | 2338 | 1613 | | 20±5 | 6200 - | 0383 | £060 | 2539 | C33D | 88
3 | 25 | 39 | |
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(RB2501) SAN BOOSTER TABULATED SOUNCE DATA, MSFC THT S67 (TABEF) MSFC 567(1A32F) T9 53/2 53/2 03 DATE OS SEP 75

| | | | | #SFC | MSFC 567(1A32F) T9 53/2 53/2 US | (2F.) T9 S | 2/5 2/5 | n
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|--------------------------|------------------|------------------------------|------------|--------|---------------------------------|-----------------------|----------------|--|--------------|-----------------|----------------|------------------|---------------------------------------|---|--------|
| MACH (7) | 8.880 | | ALPHA (2) | | -5.000 o | • | 5.1894 | PTA | - 30.018 | 910 | E | 4.1186 | ğ | • | .82971 |
| SECTION (1) SPH 800S | 08 W5C7 | OSTER | | | OEPENDE | DEPENDENT VARIABLE CP | are co | | | | | | | | |
| X/LS | .0433 | .0722 | .1313 | .1138 | .:518 | . 2240 | .3323 | . 4405 | 88.5 | .6570 | .7653 | .883 <u>.</u> | .9122 | SS: | |
| Ξ | į | Š | 8000 | 2 | .0183 | | .0861 | .0015 | .0265 | 9110. | 0711 | 0413 | .1115 | .0951 | |
| 660. | 8 2 | | 2830 | | 0057 | 0139 | .0468 | 3162 | 0098 | 01 9 | 0706 | 0270 | 9601 | 5770. | |
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15.000 | | 8 K. | S. S. | 0114 | 0248 | 0219 | .01 6 + | | 0353 | - 047 | 0957 | 0457 | .0759 | 0712
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| 67.530 | | | .2170 | 0275 | 0360 | -,0293 | 007 | | 0573 | 0629 | 57 20
57 20 | . 52.5.
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| 90.000 | 187: | ±89i . | 1969 | 0267 | O446 | 0345 | -,0304 | | 0766 | 0665 | . 09t2 | 0427 | *300· | .0394 | |
| 112.500 | ! | į | 1610 | 0311 | 5000 | 0350 | C110. | 0580 | # C. C. C. | 0636 | 0946 | 0409 | .0120 | 3770 | |
| 135.000 | . 1402
 | 3 | 1551. | - 0680 | 9,50 | 0329 | 0486 | 0725 | 0762 | 0676 | ~.0852 | 0413 | . 0209 | . 0522 | |
| 157.500 | 151 | B 9 | 0.50 | - 0782 | があっ | 0446 | +1.07 | | 9.9990 | 0599 | 0953 | 0502 | .0388 | .0362 | |
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: | 87.0 | 0822 | 05¥8 | 0656 | 0849 | 0913 | 0730 | 0428 | 0265 | 0767 | 0330 | .1329 | 7760. | |
| 000 | 8 | 0839 | 22:1: | 0286 | 0584 | 1162 | 0979 | 0691 | 0278 | 0062 | 0879 | 014
016 | .0653 | 3556 | |
| 20.20 | | | 0105 | . 1428 | 0427 | 1236 | ₹660:- | 0640 | 0159 | 9000 | 9.60 | 0301 | , oio. | 0000 | |
| 270.000 | 1339 | 1734 | .6733 | .4038 | .0604 | 1240 | 700. | 0524 | 0181 | 0137 | 0953 | 0356
0.50 | . מנול
מנול | 1800 | |
| 200,500 | | | .3508 | .3781 | ¥160° | 1195 | .1238 | .0038 | .0351 | 9.52 | 0509 | 0319 | | CACO. | |
| 315.000 | 2:176 | .2181 | 34.38 | .0768 | - 335
- 335 | 0413 | .1119 | .0116 | .0+63 | .0653 | 0769 | 10.50 | | 37.0 | |
| 137,500 | 3128 | 1505 | 282 | 9710. | .0422 | .0366 | 1081 | 9.9990 | .0392 | -070 | 200. | 9040. | 7 20. | 7 | |
| 360.000 | 3266 | .2 <u>9</u> 49 | .2826 | 0137 | .0183 | .0451 | .0961 | . 001S | . 0265 | 9110. | 0711 | 215. | 2) [1 | 1000 | |
| MACH (7) | - 2.990 | | ALPHA (3) | • | -2.000 0 | • | 5.1894 | PTA | 8 | 30.018 | E | £.1386 | A2 | • | .62971 |
| SECTION (1) SPY BOOSTER | 286.80 | OSTER | | | 130N3430 | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| S1/X | .0433 | .0722 | .1013 | . 1158 | . 1518 | .2240 | .3323 | 5044. | 98.
6. | .6570 | .7653 | 883* | .9122 | .9555 | |
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28. | B*15. | #115. | 2810 | 0000 | 0560 | 6510 | ¥.10 | 0334 | 0308 | +360 | 020 : | <u>=</u> | 1021. | |
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60.00 | 1847 | 1885 | 1910 | 0365 | 0417 | 0287 | 0216 | 0134 | 0387 | 0376 | +360 | 0089 | 5.5 | 1981 | |
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| 135.000 | . | .1612 | . 16% | 3. | . 958
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6 | - 0305 | 0305
- | 1889. | 1 2 2 1 | 9169 | -,0767 | 0059 | 3160. | 1.95 | |
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| 190.000 | 15/1: | 2 | 1201 | | 0502 | 0632 | 14.0 | 0506 | 020 | 0077 | 0744 | 0111 | .0781 | . 1039 | |
| 206.500 | 5 2 | 9 | 925 | 0108 | 0257 | 1073 | 0846 | 0615 | 0279 | .0021 | 0872 | 0037 | .0573 | . 0845
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| 24.7 5.00 | • | } | 2029 | .2037 | 0119 | 1162 | 0857 | 0585 | 0190 | | 0920 | 1710 | 6420· | . OE32 | |
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| 292.500 | | | . 2968 | .3080 | .0578 | 1195 | 0440. | 0000 | . 0135 | .0213 | 0767 | 0209 | . 37/C: | n 3 | |
| 315.000 | 8 . | . 1603 | . 2565 | . 0500 | .0634 | 0778 | 7:40 | 6 , 00. | .0276 | .0287 | C 1/27 | - 0375
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| 337.500 | Ž. | 016). | .211 | 0149 | .0036 | 0060 | 0.0640 | 9.990 | 0550 | /210. | 5000 | 1.03/d | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1597 | |
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|-----------------------|----------------|---------------|------------|------------|-----------------|--------------------|---------------------------------|------------|---------------|--------|--------|--------------|------------|---------------|--------|
| MACH (7) | 9.8 | 8.990 A | ALPHA (4) | • | 000 | • | 9.180 | 4 | . 30. | 30.019 | ·
d | 4.1196 | 3 8 | • | .62971 |
| SECTION (1)589 30051 | DS 1455 CT | OSTER | | | DEPENDENT | NT VARIABLE | BLE CP | | | | | | | | |
| X/LS | 12. | .0722 | .1013 | . 1158 | .151 | . 22.0 | . 3323 | \$0
\$. | 8 | .6570 | .7653 | £98. | .9122 | 668 | |
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| 25.500 | | 20. | 929 | 960 | | 1020 | 10.0 | 60 | - 0205 | 50. | 078 | .0231 | .2118 | .1924 | |
| 45.000 | 161. | . 1873 | 92.0 | | 030 | 0500 | - 0.0 | 0030 | 0224 | 0116 | 0801 | .0129 | .2375 | .2636 | |
| 67.500 | į | ğ | | 0448 | 100 | 0209 | 0205 | 0022 | J2₽₩ | 0179 | 0012 | . 0222 | 191. | Š. | |
| 90.000 | <u> </u> | | 200 | # C | - 0+05 | 0209 | 0231 | 0156 | 0190 | 0149 | 0778 | 5750. | . 1562 | . 1905 | |
| 145 000 | 1863 | 1921 | <u> </u> | 039 | 047 | 0227 | 0294 | 0224 | 0169 | 0093 | .0857 | 0 10° | <u>.</u> | +39I · | |
| 157,500 | 86 | 1833 | | OF 43 | 0335 | 0373 | 0402 | 0265 | 0142 | 0045 | 940 | .010. | C | 1001. | |
| 180.000 | 2130 | .178 | . 1563 | 0499 | 0067 | 0086 | 0577 | 0261 | 9.990 | .0062 | OB-E | 8110 | 100 | 5 | |
| 202.500 | .2022 | 1,478 | 1604 | 0339 | 010 | 0339 | 0656 | 0302 | 00 /s | C. 00 | 03/0. | - 0000 | 7.290 | 5730 | |
| 225.000 | <u> </u> | 1400 | .1977 | .0163 | 8×10. | 09*2 | 5 | - 6 | UCF. | 920 | - 0838 | 0123 | 0353 | 140 | |
| 247.500 | | | . 2320 | 0 to 1 | .021 | 1009 | 1.66. | | 0.00 | 2000 | 926 | 9510 | 030 | .0669 | |
| 270.000 | . 1422 | .1878 | 6290 | 3903 | £ 60. | 1036 | 200. | 2000 | 200. | 0185 | 0763 | - 0166 | | .0450 | |
| 292.500 | | | . 2487 | | | 1 600 | 5000 | 0000 | | 200 | 0637 | 0279 | | .0025 | |
| 315.000 | . 1689 | <u> </u> | 15.
14. | B to | 3 C | | 000 | | 1010 | 0200 | 0752 | 032 | 1340 | .0573 | |
| 337.500 | <u>\$</u> | | . 1683 | -, 0205 | | | 5610. | 0000 | 1 | 2000 | 050 | 6020 | 1344 | .1075 | |
| 330.000 | . 2023 | . 1683 | . 1522 | € | 0179 | 016B | ciao. | UEE / | | 5600 | | | | | |
| MACH (7) | | 2.980 A | ALPHA (5) | • | 3.000 o | • | 5.189 | PTA | 8 | 30.018 | zł | | \$ | • | 1658. |
| SECTION 1 | 115RH B006 | DOSTER | | | 30V3430 | DEPENDENT VARIABLE | BLE CP | | | | | | | | |
| x/rs | E 43 | .0722 | . 1013 | <u>.</u> | . 1510 | . 8240 | .3323 | 5044. | 88. | .6570 | .7653 | . | .9122 | 888 | |
| į | | | | | | | | | | | | | | | |
| Ē | | 9 | d | - O-Bi | 0227 | 8 | 9000 | 088* | .0189 | 00¥0 | · . 93 | 0052 | . 1750 | 340 | |
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200. | 1 | | 1403 | 5 | 0313 | - 53 | 0045 | 0119 | .0025 | 00ee | 0528 | \$00° | 2643 | 97.1 | |
| 200. 41 | 2 | 160 | 157 | - 93 | 0390 | 0203 | 020- | .0023 | - 00 0 | ¥80. | - 06± | \$
5 | 8 | | |
| 67.500 | ! | | | 0372 | 0388 | 0256 | 0204 | .0038 | 008 | .0038 | 0671 | .0386 | 2962 | | |
| 90.00 | 1889 | 1910 | . 1820 | 0324 | 0363 | . O. | 0224 | - 00 f | 9071 | 9 9 9 | 57.0. | פרפת
כדמת | 577 | 22.79 | |
| 112.500 | | ; | <u>8</u> | 0304 | 0455 | 0230 | . 0000 | 5510 | 200 | 8000 | - 0808 | 86. | 0581 | .2253 | |
| 133.000 | . 2665
2665 | 2043 | .2021 | 0301 | 03g/ | D/ 20. | 6030. | | - 0063 | 0025 | 0674 | .0167 | 168 | .2387 | |
| 157.500 | .2335 | B 022. | | | בסאט. | 900 | . G | 0100 | 0.9990 | 20.0 | 0760 | 0063 | .1619 | 666 | |
| 180.030 | S d | 6 2 | #10#: | 1000 | 2.00 | - 0067 | 0563 | 0101 | .0126 | 1100· | 0615 | .0059 | .1187 | | |
| 202.500 | | Ç é | 2000 | 000 | 8 | 1067 | - 0451 | 0108 | 0±00. | ¥. 10. | 0714 | 0002 | 84SO. | . 0802 | |
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10 | - | | (B) C | | 5.0972 | 0227 | 0171 | 0011 | 9410. | 0704 | 0086 | .0390 | . 9859 | |
| 37. 500 | 9 | | | 1102 | 0.77 | 1660 | 0261 | - 0250 | 0071 | .0077 | 0637 | 0123 | . 03¥0 | .0 629 | |
| 202 500 | <u> </u> | <u>}</u> | 25.64 | 262 | .0208 | . 0995 | 0231 | 0097 | .0193 | .0122 | 0685 | 0062 | • | 0308 | |
| 318 000 | 3 | 1263 | 1895 | .0371 | 30. | 0925 | 0227 | 0112 | .0219 | .0193 | 0600 | 0168 | . 1977 | 0108 | |
| 313.000 | 1 | 1187 | 1370 | 0238 | 0149 | 0531 | -,0086 | 9.9990 | .0193 | .0047 | 0659 | 0268 | . i 459 | .0852 | |
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| DATE" 05 SEP | Ŕ | | | TABUL | ATED SOL | JACE DATA | TABULATED SOURCE DATA, MSFC THT 567 (1A32F) | 11 567 (1 | (432F) | | | | | PAGE | ź |
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| | | | | Ŧ | /L)/95 3. | 132F) T9 | MSFC 567(1A32F) T9 53/2 53/2 | 63 | SRM BOOSTER | E 3 | | (R82501) | | | |
| MACH (7) | ai
1 | 2.990 AU | ALPHA 6 | 60 - 55 | 5.000 6 | • | 5.189 | PTA | 30. | 30.018 | ·
Æ | 4.1186 | PSA | • | .R2971 |
| SECTION (1) SPM EJOSTER | 1) SRM | COSTER | | | DEPEND | DEPENDENT VARIABLE | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | .1158 | .1518 | .2240 | .3323 | £044. | .5488 | .6570 | . 7653 | .883₩ | .9122 | . 9555 | |
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| 000 | . 1165 | 6¥60. | . 0923 | - 06±1 | きまっ | • | 0272 | 0136
52.03 | Cann. | - 0000 | . 0357 | 8080 | 3065 | 2401 | |
| 22.500 | . 1227 | | . 1026 | 062 | 0476 | • | 1050. | 5010. | 200 | | - 0503 | 0632 | 3079 | 3180 | |
| 45.000 | 135 | . 1 3±6 | 1286 | 0606 | BCC0 | CSDB | - 0384 | 0312 | 0148 | 0043 | 0551 | .0688 | .2476 | .2394 | |
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61. | - | Š. | 5069 | 0375 | 0440 | 0357 | | 0461 | 0364 | 0166 | 0734 | .0953 | 0161 | 2349 | |
| 135 000 | 235 | 1753 | Ž, | 0271 | 0334 | | 0271 | 0401 | 0267 | 0215 | 0827 | .08¥5 | 1988 | . 230 t | |
| 157.500 | 2849 | • | .2711 | 0181 | 0122 | 0148 | 0248 | 0308 | 0125 | 0118 | 0652 | . 50 E | 8802. | i
i | |
| 183.000 | 3229 | • | .2789 | 0163 | . 0299 | | 0316 | 0191 | 9.9990 | . 0213 | 0722 | 0100 | 0/12 | 2000 | |
| 202.500 | .3128 | • | .27±0 | .004 | .0317 | | • | 0070 | .0280 | .0127 | •.0636 | 6,00. | . 1955 | 1043. | |
| 225.000 | -2614 | 2211 | .3281 | .0530 | | • | | .0038 | .0259 | .0123 | 0830 | 1810. | 080. | 135 | |
| 247.500 | | | 3+90 | .3485 | | | | .0038 | .0276 | B010. | C/ 80.1 | 12.00 | . 600 | 130 | |
| 270.000 | .1469 | 1917 | .6901 | ¥109 | | | • | 0103 | .0187 | B010. | 2000 | +500. | . P | 0750 | |
| 292.500 | | | .2297 | .1764 | 0241 | | • | 1100 | .0161 | 0810. | | F000. | 1426 | 1 | |
| 315.000 | . 1020 | .0886 | . 1522 | 0019 | | | | .0066 | CC 10. | 950. | | 5/00: | 0141 | 1420 | |
| 337.500 | *01:: | .0787 | . 0962 | 0483 | | | • | 9.9990 | 1810. | 200 | 0500. | | 5000 | 1575 | |
| 360.000 | .1165 | 6460. | .0923 | 0641 | ¥. 9 | 0585 | 0272 | 0156 | CANO. | 0089 | -, 0390 | 5610. | | } | |
| MACH (7) | ai
• | 2.990 AI | ALPHA (7) | • | 9.000 | • | 5.189 | ATA | 30 | 30.018 | *
| 4.1186 | PSA | • | .82971 |
| SECTION (1) SRM BOOSTER | 1) SRM | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | | | DEPEND | DEPENDENT VARIABLE | BLE CP | | | | | | | | |
| | | | £10. | 9311 | £. | 030 | 3323 | 44.05 | .5.88 | .6570 | .7653 | .8834 | .9122 | . 9555 | |
| X/LS | .0435 | .076 | ?
?
? | 3 | | | | | | | | | | | |
| i de | | Ş | č | 90 | 0240 | _ 0587 | 7.40 | 0169 | 0173 | 0210 | 0359 | .0367 | .2341 | 7415. | |
| 900. | - 65
- 65
- 65 | 1000 | 1000 | 9620. | 0530 | 87.50 | 0418 | 0317 | 0261 | -, 0284 | 0316 | 6490. | .2528 | .2875 | |
| 24.500
a.s. | 000 | • | | 0670 | | .0450 | • | 0450 | 0420 | 0334 | 0405 | .0951 | . 1760 | . 1842 | |
| 57.500 | . 1063 | • | 1274 | 0598 | | • | • | 0557 | 0385 | 0262 | 043¢ | . 1002 | 天
三
三 | . 1352 | |
| 90.000 | . 1669 | . 1662 | . 1666 | 0553 | 0576 | 0512 | 0579 | 0620 | 0397 | 0266 | 0516 | 901. | 1961. | B2C1. | |
| 112.500 | | | .2163 | 0349 | 0431 | 60+0 | • | 0636 | 0521 | 036B | 1990 | 1014 | 0201 | 1515 | |
| 135.00) | .2733 | • | . 2826 | 0128 | 0203 | 0169 | 0292 | | 1,000 | 21.0 | 1070 | 0559 | 7657 | 4592 | |
| 157 500 | .3528 | • | . 3401
803E | . 0069 | . 0117
0655 | .050. | - 0050 | 016. | 9.9990 | .0334 | 0680 | .0013 | .268⁴ | .2964 | |
| 180.070 | 950 f |) | 2661 | 2015 | | | 0012 | . 0263 | .0502 | .0293 | 0591 | 9+00∵ | .2725 | .3203 | |
| במביבה | 4585. | • | 4456 | 9760 | 1569 | | | .0330 | .0431 | .0311 | 0788 | 0110. | .2613 | . 2050 | |
| 247 500 | | • | W087 | .4360 | 12. | ١ | | .0237 | .0326 | .0192 | 0806 | .0354 | .0993 | .1631 | |
| 277,000 | 1535 | .2020 | .7729 | 1554. | .0781 | | 0479 | 0240 | 0191 | .0065 | 0329 | .0+3I | . 0957 | .1737 | |
| 292,500 | | | .315) | .1106 | | | | 0221 | 0176 | .015 | 037 | 9180 | . 1039 | . 0509 | |
| 315.000 | .0564 | . 0500 | .1100 | 0256 | | | • | 0282 | 0159 | 9000. | 70407 | .0313 | . 2533
2528 | 6161 | |
| 337.500 | .0675 | 表 | 8+CO. | 0610 | | | | 9.9390 | | 0000 | 0.440 | 0360 | 24.5 | 7419 | |
| 350.000 | . 09£ | .0862 | 1020. | . 0598 | 0430 | 0587 | 0/30.1 | 6010'- | 5.10.1 | | | } | | į | |
| | | | | | | | | | | | | | | | |

| 0568 .0771 | DEPENDENT VARIABLE CP. 1158 . 1518 . 2240 . 332 |
|--|---|
| .0568 .0771
.0031 .0370
0033 .0125 | |
| 01870107
01920256
02050249
01920259 | 2 2 2 2 2 |
| 016803140520
031004690530
053805380591
086107760500
086807770500
086902030161
086212040386
020911500398 | 0341
0253
0250
0310
033
.0944
.1211
.1103
.0443 |

| | ! | | | 1 | HEFE 587(1832F) 19 53/2 53/2 | 19F.) 19 | 53/2 53/6 | 8 | SRM BOOSTER | 5 | | (R82501) | = | | |
|--------------------------|--|---------|---------------|------------------|------------------------------|-----------------------|--|-------------------|-------------|----------|--------------|----------|-----------------|------------|--------|
| | | | | Ē | K | | | 3 | | i | | | | | |
| HACH (8) | • | 3.500 | ALPHA (3) | • | -s.000 o | • | 5.7173 | PTA | . 50 | 50.016 | E | 5.3300 | Ş | • | .67500 |
| SECTION (1) SAN BOOSTER | 1886 | BOOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| x/rs | .0433 | .0722 | .1013 | | . 1518 | .2240 | .3323 | £ 65 | .5¥88 | .6570 | . 7653 | .883 | .9122 | 8258 | |
| Ē | | • | | | | | | | | | | | | | |
| 000 | 2679 | . 2344 | - | | 0000 | .0166 | .0321 | 0000 | .0082 | ±900. | 0+83 | 0056 | <u>*</u> | .1120 | |
| 22.500 | 5698 | .2348 | .21 90 | | 0040 | .0152 | ₹
600 | 0036 | ÷900. | ##DO. | 8061 | 98 | -2202 | 5503 | |
| 45.000 | . P+93 | .2358 | • | 0: | 0165 | 0151 | .0169 | 0053 | 03
 | 0046 | 0320 | 5461. | <u> </u> | 8 3 | |
| 67.500 | | | .2209 | | 0239 | 0158 | .000 | 0036 | 0192 | 0100 | 0638 | 5750. | 1316 | A C | |
| 90.000 | . 1029 | - 1-38 | | | 0249 | 0175 | 0121 | 0083 | 0226 | 0178 | 0679 | | | 1 | |
| 112.500 | | | . 1959 | | 0256 | - 0.85 | 0131 | - 00 0 | 0253 | 0256 | 0310 | | | 0330 | |
| 135.000 | 25.00 | 0.18 | .183≠ | 017B | 0293 | 0.95 | ₹10 | 0138 | 0280 | 0354 | 0625 | 0009 | .0768 | D (| |
| 157.500 | 1708 | . 1658 | .1695 | 0259 | 032+ | 0199 | 0199 | 0286 | 0314 | 0364 | .0697 | 0266 | . 0883 | . 1340 | |
| 180.000 | 164 | .1033 | ٠ | 0682 | .1120 | .0805 | 060¥ | 6117 | 9.9990 | .0761 | .0071 | 0665 | 0000 | . 0544 | |
| 202.500 | .1827 | . 1506 | .1296 | | 0124 | 0239 | 0473 | 0314 | . 1316 | 0117 | . 1303 | .1597 | .1103 | .1677 | |
| 225.000 | .1783 | . 1242 | . 1215 | 0378 | 0242 | 0432 | 0591 | 0422 | 0199 | 011 | 0097 | 1979 | 1999 | 2662 | |
| 247.500 | | | .1387 | 0072 | 0038 | 0801 | 0707 | 0531 | 0301 | 0011 | 0652 | .0031 | .0606 | .0785 | |
| 270.000 | .0829 | .0626 | .2023 | . 1560 | .0173 | 0872 | 0696 | 0527 | 0293 | .0115 | 0719 | 0087 | .0250 | .0788 | |
| 292.500 | | | .4269 | .4368 | .0812 | 0875 | 0263 | 0290 | 0297 | 0006 | 9 ≠18 | .0558 | | .0058 | |
| 315,000 | E400 - | -,0530 | | .2236 | .0822 | 0872 | . 0362 | . 0227 | 0023 | .0301 | 0564 | 0182 | . 0420 | 0320 | |
| 223.525 | 2000 | | | | .0845 | 0537 | 90+0 | 9.9990 | .0142 | .0365 | 0571 | 0206 | - 3621. | 0097 | |
| 357.300 | 25.70 | | | 0210 | 0100 | .0166 | .0321 | .0000 | .0085 | ₩900. | 0483 | 0056 | *! *! . | .1120 | |
| 200.000 | 603. | • | • | | | | • | | | | | | | | |
| MACH (8) | m
• | 3.500 | ALPHA (4) | • | 000. | • | 5.7173 | PTA | 8 | 50.016 | ٠
- | 5.3300 | & | • | .67500 |
| SECTION (1) SPM BOOSTER | E85 C | BOOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| <i>u</i> :> | 24.40 | 6200 | .1013 | 9511 | 1518 | .2240 | .3323 | 4405 | .5488 | .6570 | .7653 | .8834 | .9122 | .9555 | |
| ì | | | | | | | | | | | | | | | |
| æ | | | | | | | | | | | | | 1 | | |
| 000 | <u>9</u> 15. | . 1863 | 1609 | 029 | 0037 | 99 | .0209 | £00. | .0003 | 500. | 64±0 | 0070 | B* 1 | . 130 | |
| 22.500 | .2067 | | • | 0158 | 0023 | 00.
00.
00. | **00· | 0033 | 0117 | 0012 | 0±0.5 | 30.20 | 2 | . 16/3 | |
| 45.000 | . 1972 | . 1935 | 1878 | | 0195 | . 0220 | 0083 | 0016 | * 10 | 0012 | 0547 | . 0229 | /561. | 9091 | |
| 67.500 | | | . 1895 | • | 0199 | ₹ | 0097 | 3 ± 60. | 0117 | 0073 | B600'- | 1010. | <u> </u> | 14.5 | |
| 90.000 | . 1878 | 1908 | • | • | 0192 | Ø* 10. | 0100 | . 0003 | 0083 | 0117 | Bogo. | 2910. | B101. | 1022. | |
| 112.500 | | | . 1873 | . e | 0205 | 7900. | 8 i | B110 | 5.00 | | 0630 | 0010 | | 18.50 | |
| 135.000 | 1900 | | • | 0158 | - 07.0 | 0010 | 0169 | | 1210. | 500. | ECOU | 6610. | 2 | 1 4 C 1 I | |
| 157.500 | .2052 | | • | - 1999
- 1999 | 0206 | olto | 1150 | מינים
יינים | 3 60 60 | 1900 | 4600 | 1000 | <u> </u> | 120 | |
| 180.000 | 800
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800 | ٠ | • | 0321 | . 6030 | 0030 | . 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. | 9.00. | 2000 | | | | 101. | 1160 | |
| 202.500 | .2207 | • | | • | ÷110 | 0663 | 0.00. | | 1500 | | 5100. | 1,003. | 900 | 0880 | |
| 225.000 | .2028 | . 1376 | ٠ | • | . UE /U | E/ 90 | 5045 | . 0300 | UCC3 | 3 | 9000 | | 7000 | 3 6 | |
| 247.500 | | | .2295 | | 69 ₹0. | 07g | - S | 0398 | 0240 | 110. | 0556 | 0104 | £ : | 51/0. | |
| 270.000 | . 1660 | 929 | .¥59 | | 9680 | 0814 | 0530 | 0375 | 0270 | 000 | 0588 | 0128 | .0361 | .0331 | |
| 292.500 | | | 26 | .2197 | . 0683 | 0811 | 0 | .0087 | 0003 | . 0229 | 0581 | 0133 | . 91/0. | .0355 | |
| 315.000 | .1981 | . 1305 | 1998 | .0351 | 0547 | 0713 | .00 <i>.</i> | .007¥ | <u>.</u> | . 0270 | 0554 | 0202 | 1629 | 80.
80. | |
| 337.500 | .2231 | .1555 | . 1612 | 0098 | .0037 | 0125 | .0267 | 9.9990 | | .0162 | 058↓ | 0152 | . 1 2 €7 | .0639 | |
| 360.006 | .21 9 | .1863 | · | | 0037 | 010₹ | . 0209 | - 000 | .0003 | . 0027 | 6440 | 0070 | 877. | .1130 | |
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| DATE OS SEP 78 | | | TARU | LATED SI | JURCE DAT | TAPLALATED SOURCE DATA, MSFC THT 567 (1A32F) | NT 567 C | 1A32F.) | | | | | PAGE | ₹
N |
|--------------------------|-------------------|------------------|---------|---------------|-----------------------|--|----------|-------------|--------|---|-------------------|------------------------|----------------|--------|
| | | | £ | FC 5871 | IASEF) TI | HSFC 567(1A32F) T9 53/2 53/2 | 83 | SAM BOOSTER | TER | | (R82501) | 2 | | |
| MACH (B) . | 3.500 | ALPHA (5) | • | 2.000 | • | 5.7173 | PTA | 8 | 50.016 | E | 5.3300 | \$ | • | .67500 |
| SECTION (1) STH BOOSTER | H BOOSTE | مع | | DEPENDENT | DENT VAR | VANIABLE CP | | | | | | | | |
| X/LS 0%33 | 53 . 072 2 | £101. £ 2 | 8311. | 8 151. | 0.55. | .3323 | 50*** | . 5×68 | .0570 | .7653 | .883 . | .9122 | 600
600 | |
| | | | | | | | CB00 | | 600 | 6440 | .0183 | . 1820 | 1357 | |
| | | | 20. | 585 | | • | | .0017 | .000 | 0368 | 953 | 8753. | .1729 | |
| | | 7/01: 19 | | | | | | 0029 | .0078 | 0527 | .0552 | .2950 | .2815 | |
| 45.000 . 1800 | | | | | | | | .0031 | .0078 | 0577 | .0443 | .2199 | . 2470 | |
| מיסו נוסט ניס | 0.01 | | | | • | Ī | 0043 | 0009 | .0017 | 0598 | . 0528 | .1671 | .2108 | |
| | | | | | 60178 | _ | | 0016 | . 0020 | 0560 | .0382 | . 1659 | ¥605. | |
| 135.000 .2128 | | 9215. 60 | | | | | • | 0046 | .0047 | 0611 | **** | 0001 | ייים בייני | |
| | | | | ٠ | • | • | • | 9000 | +C00. | 0100. | 5000 | 7921 | 1857 | |
| | | | • | | | | 26.0 | | 2010. | 1 C C C C C C C C C C C C C C C C C C C | 7900 | 1059 | 1451 | |
| - | | Ť | • | • | | • | | 5 6 6 6 | 9160 | 0557 | 5 | .0552 | .0738 | |
| 225.000 .2412 | 12 .1708 | Ī | | | | • | | 200. | 96.0 | 1.057 | 1500 | .0365 | ₩040 | |
| | | | | | | • | • | 2000 | 6 6 6 | 0,00 | 0000 | 0450 | .0338 | |
| 2571. 000.075 | 52 .1739 | | • | • | 0.770 | 21.20 C | BC 20. | 200 | 0120 | 0557 | 0026 | . 1113 | .0327 | |
| | | | | | | • | • | 9 6 | 0.557 | 0557 | 0097 | | 0097 | |
| | | • | | 2610. | 5.07.5 | • | | 9460 | 0183 | -058 | 0033 | | .0785 | |
| | | | CC10 1 | | | | -, 0067 | .0158 | ₹600. | 6140 | .3183 | . 1820 | .1357 | |
| 350.000 | 25 . 15.38 | 9041 . | | | | | | | | | | | | |
| MACH (B) . | 3.500 | ALPHA (6) | • | 5.000 | • | 5.7173 | PTA | • | 50.016 | æ | 5.3300 | ₹S | • | .67500 |
| SECTION (1) SPM BOOSTER | H 800STE | e | | DEFEN | DEPENDENT VARIABLE CP | IMBLE CP | | | | | | | | |
| 71.00 Out 1 | 557.0 | £101. cc | 9511. | 1519 | 0.22.0 | 3323 | 2011 | .5±88 | .6570 | . 7653 | . 8834 | .9122 | .9555 | |
| A/L3 | | | | | | | | | | | | | | |
| | | | | | | 0220 | 2010 | 8000 | 4100 | 0253 | .0328 | . 2013 | . 1790 | |
| | 53 | | Control | E020 | 2001 | | | .0085 | .0031 | 0151 | .0572 | 5145. | .2121 | |
| 751. UGC.55 | | | | | | • | • | .0041 | .0058 | 0324 | 9190. | .2169 | ₹ <u>6</u> 27. | |
| 45.000 .14 | | | | | | | • | 0080 | 0000 | 0358 | . 0639 | . 1695 | . 1972 | |
| 90.000 | 73. 1867 | • | • | | 00246 | • | • | -, 0222 | 0023 | 0462 | .0839 | . 1512 | P691. | |
| | | | ٠ | | | • | 0303 | 0280 | - 1 | /1cu | . C. 20. | 1967 | F 70 C | |
| | | | • | 1710 0 | 1410 1
5400 1 | 8 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1 | | 2000 | 0400 | 2840 | . 020 | 1911 | .2314 | |
| 157.500 .3001 | • | | | • | | | | 9.9990 | .0261 | 0513 | 6000 | .2067 | .2344 | |
| #/#E. 000.081 | ביונה.
הורק | | • | | | | • | . 0247 | 9610. | 0418 | 5110. | . 1857 | .2135 | |
| | | | • | | ١ | - | | .0193 | . 0213 | 0574 | .011ë | 1462 | . 1282 | |
| • | | | • | • | 50723 | 30124 | .0041 | .0234 | .0179 | 0598 | .0
.2 | .0535 | . 1120 | |
| 9271. 000.072 | 0951. | • | • | | ±0838 | #E10 B | 01¥ | . 0223 | .0103 | 0330 | .0166 | 100 | .1116 | |
| | | • | • | | | • | • | .0217 | .0193 | 0381 | . 009 5 | 08.0 | . 0223 | |
| 315.000 .1282 | B2 .0863 | • | | | | • | | . 0206 | 9110 | 0401 | *900° | . 1975
1976
1976 | .0318 | |
| | | | ŧ | ٠ | | | | .0146 | | P4.15 | .0031 | . 1529 | E101. | |
| | | • | 70425 | _ | B0412 | 2 0232 | 0107 | .0078 | . 00 · | 0253 | . 0328 | .2013 | <u>.</u> | |
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FABULATED SOURCE DATA, MSFC THT 567 (1A32F)

.67500 PSA A - 5.3300 덛 • 50.016 PTA HSFC 567(1A32F) 19 53/2 53/2 03 5.7173 DEPENDENT VARIABLE CP MACH (8) - 3.500 ALPHA (7) - 8.000 Q SECTION (1)59N BOOSTER

| SECTION (1) SHA BI | | 516 | | | | | ;
} | | | | | | | | |
|---------------------|-----------|--|--------|---------|----------------|---------|---------|-------|----------|-------|--------|--------|--------|--------|--|
| X/LS | 13 | .0722 | .1013 | 9517 | .1518 | . 2240 | .3323 | C011. | 8 | .6570 | .7653 | .8834 | .9122 | . 9555 | |
| ã | | | | | | | | | | , | | | • | | |
| | į | 0000 | 100 | 1520 | -,0259 | -,0496 | - 040 | | 0107 | 0155 | 0253 | .0176 | 196/ | 500 | |
| 000 | | | | A14 | 1220 | - 0283 | - 0218 | | 9100 | 0148 | 0165 | ₹0¥0. | .1482 | . 1925 | |
| 22.500 | C\$01. | 660 | | | 00.00 | 9060 | 1420 | | - 0215 | 0258 | 0246 | .0778 | . 1299 | .1597 | |
| ¥3.000 | .1167 | . 1120 | 9 | | | | | | 1020 | 0222 | 0314 | .0792 | .1133 | .1319 | |
| 67.500 | • | • | 3 | 1.03. | | 0360 | | | 0368 | 0212 | 0422 | . 08±2 | .1204 | . 1451 | |
| 90.00 | 1682 | <u>\$</u> | 5 | Deco | 9900 | 986 | . 0278 | | C445 | 0283 | 0510 | . 0902 | .1336 | .1543 | |
| 12.500 | į | į | 200 | | 1000 - | 0000 | | | 0270 | 0273 | 0574 | .0663 | .1759 | . 2030 | |
| 35.000 | 278 | | 26. | | , 0000
8710 | 0000. | 100 | | 0012 | 0033 | - 0425 | .0220 | .2148 | . 24C9 | |
| 57.500 | 5 | 200 | 2000 | 200 | | | 900 | | 9.990 | .0393 | 0500 | 0002 | 51+5. | .2659 | |
| 90.000 | 8 | 000 | | | 900 | 100 | D0 37 | | 17.50 | .0362 | 0415 | .0081 | .2311 | .2896 | |
| 52.500 | E124 | 1 | | 666 | 966 | 5100 | 500 | | 213 | .0365 | - 0564 | 9110 | .2250 | 1602. | |
| 3.68
13.68 | 10±5. | 5 | | 20/0. | 8641 | - 0801 | 0135 | 0264 | .0332 | .0261 | 0571 | . 0281 | ₩260. | 1041. | |
| 47.588 | | | 035C-1 | 202 | 2501 | . n780 | 0327 | | +500 - | 0016 | 0056 | .0426 | .0856 | . 1506 | |
| 70.000 | £ / 35 | <u> </u> | h : | 2000 | 1 200 | 200 | 2445 | | 7.0 | .0037 | 0256 | .0335 | . 1029 | .0075 | |
| 92.500 | | Ş | 200 | 000 | 0,0040 | 1987 | 0.256 | | 012 | 0016 | 0300 | .0352 | .2030 | 1660. | |
| 15.000 | 950 | À . | 9 | 4.000 - | 0440 | , 100 L | . Other | | 0026 | 0012 | 0324 | .0423 | .2026 | . 1565 | |
| 337.500 | 560. | 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 9000 | 1,0466 | | 500 | 1040 | | 0107 | 0155 | 0253 | .0176 | .1627 | .1593 | |
| 50.000 | **** | 1991 | .0064 | . 633. | | | | | | | | | | | |

(RB2501)

SRH BOOSTER

1

(RB2502) (24 APR 74)

| SAM BOOSTER |
|------------------|
| 19 53/2 53/2 03 |
| HSFC 967((A32F) |

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|-----------------|--------------------|---------------------------------------|-----------|--------------------------|--------|-------|--------|----------|---------|------------------------------|---------|---------|---------|----------|---------|---------|--------------------|---------|---------|---------------|---------|---------------|--------------------------|------------------|---|--------|--------|--------|--------|--------|---------|---------|---------|----------------|---------|------------------|---------|-------------|
| | 000.0 0 | .500 | 17.25 | | | | | | | | | | | | | | | | | | | .7.2 <u>8</u> | | _ | | | | | | | | | | | | . . | | |
| | | • | • | | .955% | 1.04. | .1733 | 2178 | 200 | 36.5 | 1412 | .0569 | 0141 | 0123 | .0394 | .0761 | 5160. | BC70. | 1 450.4 | 1900 | | • | | .9555 | | . 1015 | £91. | 2082 | . 222 | 1553. | 1939 | SB# C | 3220 | 3550. | .0313 | 070. | 200 | }
}
• |
| DATA | CONF 16
RUDDER | ORBINC | Ş. | | .9122 | .2913 | .3661 | \$6 F | 1824. | 4705 | 2835 | 1664 | · | • | 0034 | 9010 | 6600 | 0222 | . 1003 | נימט.
גימט | 5 . | PSA | | .9122 | | .2776 | .3497 | .3951 | oo ! | ¥016 | .3565 | 5262 | 1897 | 6770. | . 0233 | .0136 | | • |
| PARAMETRIC DATA | 000. | 000 | 4.9943 | | . 8834 | .1500 | .2349 | 5.2972 | .3187 | ָרָהָ
מַנְּיִי
מַנְיִי | 1650 | 9656 | 0266 | 0814 | ٠. | II 34 | 1269 | 1260 | 0276 | 7 2 | nncı . | • 4.9943 | | .683⊁ | | 1470 | . 2362 | .2800 | .2976 | .2820 | .2396 | 1781 | .0921 | 0053 | 0653 | ¥766 | 1 2000 | 000 |
| a | ALPHA - | *- SAB | •
æ | | . 7653 | 4132 | \$71\$ | 4039 | 395¥ | 3870
- 7606 | 7632 | 1250 | 3180 | - W | 2870 | 1743 | 1689 | 6234 | 4722 | 9004 | 4136 | F | | .7653 | | 411 | 4040 | 4006 | 3866 | 3773 | 3602 | 3383 | -,3189 | 3079 | 3330 | 3080 | | u/01. |
| | 7 6 | × | 22.007 | | .6570 | 1305 | .1137 | . 1039 | . 0853 | .0581 | 5 50 | B 00. | 2710 | 0.55 | 0110 | .0190 | .0153 | . 1505 | . 1531 | . 1342
 | COE 1 . | 22.007 | | .6570 | | . 1143 | .0971 | .0873 | .0667 | .0373 | .0391 | 0001 | . 00 is | 7110. | €¥10. | .0143 | 0340 | 5 . |
| | | | | | 88.6 | 060. | 6680. | .0757 | .0695 | .0513 | | 36 CO | 0000 | 0000. | , | 15127 | 1 900 · | . 0806 | . 1056 | . 1002 | .0970 | - 55 | | .5488 | | .0845 | .0787 | .0654 | .0545 | .0303 | .0129 | - 0080 | 0107 | 9 .9990 | .0019 | 500. | 6119 | .0135 |
| †
• | | | AT4 | | £034. | 0558 | .0520 | 8440 | ±8±0. | .0378 | .0061 | 0350 | CESU | 9000 | 0083 | .0163 | .0216 | .0609 | .0708 | 9.9990 | . 0556 | PTA | | 44.05 | | .0443 | 61.0 | .0348 | .0336 | .0163 | . 0032 | 0255 | | 0141 | 0123 | ٠ | | .0127 |
| | | | 4.348! | BLE CP | .3323 | 753 | 3+RO. | .0369 | .0396 | .0281 | .0017 | 0316 | est | - UCD4 | - 0043 | .0038 | .0109 | .0367 | .0457 | . 0225 | .0353 | 4.3481 | BLE CP | .3323 | | 0.224 | 0226 | . 0242 | . 0232 | .008 | 0028 | 0255 | • | 0285 | 0159 | | | 0007 |
| | | | • | DEPENDENT VARIABLE CP | .2240 | FCCO | 0.982 | .0307 | .0237 | .0255 | 0131 | 0519 | 0586 | 2000. | 0.00. | 1809 | 2053 | 0509 | 0034 | .0109 | .0723 | • | DEPENDENT VARIABLE CP | .2240 | | OFOR | | 0.09 | C*10. | ٠ | | 0466 | | | | | | 2396 |
| | | .9720 IN. | -10.000 0 | OEPENDE | . 1518 | 12.00 | - 0157 | 7.10 | 0202 | 0369 | 0642 | +660°- | 1310 | - 103 | | . 06+3 | .0815 | .1012 | .0457 | .0216 | 子00 | -8.000 | DEPENDE | . 1518 | | 0160 | | 0308 | 0368 | 0590 | 0711 | 0976 | | 1099 | | 102v | 0793 | .0612 |
| Ē | ai
• | | | | . 158 | į | 101 | 646 | - 5605 | 5T72 | 6493 | 7216 | - 8588 | 57 LT. | C#57 | COCO: - | -1.1500 | 7933 | 7298 | 5914 | 6544 | 9 (2 | | 9517 | | 6060 | 12.03 | 6712 | | | | | | | 7766 | 8928 | -1.0672 | -1.1816 |
| ž | 9 | 38 | BETA (1) | | .1013 | • | . 1000 | 1 | \$ 160° | 0950 | 1249 | 1805 | . 252 | 2760 | 3126 | . 3505 | 8.5 | 1811 | - 1850 | 1678 | 1605 | BETA (2 | | . 1013 | | | | | | 1402 | - 1943 | . 1995 | | | | | 3220 | 0716 |
| REFERENCE DATA | . i. | .3130 IN.
.3130 IN.
.00v0 SCALE | .600 | OOSTER | .0722 | : | 1611 | 275 | | . 1962 | | . 1067 | .0493 | <u>.</u> | .0092 | .0334 | 9110 | | 1812 | 1208 | . 1191 | 009 | DOSTER | .0722 | | : | 0/1 | 1830 | | 2361 | ! | .0903 | 0480 | 9010 | 0100 | 00.00 | | .2058 |
| REFE | 6. 1980 SQ. IN | 5.3130 IN.
5.3130 IN.
.0000 SCA | • | B M850 | .0433 | | 6,72 | ָ
בְּ | | 2895 | | T15. | 1690 | 1419 | 804:· | . 1590 | 0346 | 7 | Car | 2200 | 2249 | • | B 19801 | .0433 | | | | | | * | į | 766 | 1663 | 607 | 1 | 1360 | | .2363 |
| | • 336 | . 3005
BREF . | MACH (1) | SECTION (1) SPM BOOSTER | X/LS | Ē | 000 | 22.500 | 40.00g | 90.00 | 112.500 | 135.000 | 157.500 | 180.000 | 202.500 | 225.000 | 200.75 | 200 600 | 315,000 | 337,500 | 360.000 | MACH (1) | SECTION (1) SAN BOOSTER | 5 () | 2 | Ē | 000 | 22.500 | 43.000 | 00.000 | 112.503 | 135,000 | 157.500 | 000 081 | 200.000 | 25.000
25.000 | 27.500 | 270.000 |

. 2

TABULATED SOURCE DATA, MSFC THT 567 (1A32F)

BOOSTER

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MSFC 567(1A32F) 19 53/2 53/2 03

.0602 -.0402 .0271 .9555 .9555 0966 1563 1694 3461. 1571. 1571. 1604. 1771. 1771. 1771. 1741. .0862 .170 .1295 .1296 .1301 .1301 .1611 9555 .1757 7510. 1360. 1715. .9122 3564 3098 3377 3377 3377 3377 3044 2558 0087 0087 0087 0087 0088 0087 2550 2550 -.0974 .0020 .0704 .1470 F. 99±3 .8834 7.627 2.755 2.755 2.755 2.755 2.757 2.757 2.757 2.757 2.757 2.757 2.757 3.757 . 1437 . 1523 . 1859 . 1934 . 2019 . 2131 . 2131 .8834 .8834 -.5946 -.4782 -.4094 .7653 - 3738 - 3789 - 3789 - 3886 - 348 - 343 - 343 - 343 - 343 - 344 - 343 - 344 - 343 - 3153 - 3151 -.4841 -.3969 -.3738 - 3483 - 3371 - 3259 - 3165 - 2975 - 2803 - 2842 - 2878 .7653 -.2187 -.4693 . 7653 -.3711 -.411 .6570 .1394 .6570 . 0681 . 0531 . 0538 . 0250 . 0250 . 0083 . 0152 . 0191 . 0839 . 0839 . 0905 . 0795 . 0795 . 0795 .0312 .019% .0222 .0176 .0150 .0247 .0166 99 e Si .0918 .0860 .0845 . 54.08 5489 0520 1 440 0376 0376 0207 0000 1000 .0168 .00123 .0042 .0025 .0042 .0032 .0£88 . 8 .0439 .0504 9.9990 4405 -.0124 -.0085 -.0052 -.0107 -.0016 .0053 .0133 .0260 .0188 9.9990 -.0074 -.0082 -.0047 -.0055 .0443 .0100 .0135 .0126 £93 -.0091 -.0016 -.0127 -.0271 -.0252 -.0172 -.0173 .0197 .0279 .0242 .0264 -.0007 .0028 .0028 .0019 -.0016 .3323 .3323 -.0142 -.0158 -.0204 -.0275 -.0213 -.0178 -.0133 -.0035 -.0005 . 3323 -.0378 4.3481 -.0316 4.3481 ಕಿ DEPENDENT VARIABLE CP ABLE DEPENDENT VARIABLE -.0733 -.0232 -.0052 - 0215 - 0275 - 0374 - 0382 - 0506 - 1025 - 1028 - 3054 . 22¥0 . 22.0 -.1118 -.0623 -.0347 . 2240 -.0521 -.0468 -.0431 -.0431 -.0405 -.0405 .0171 -.0123 -.0079 DEPENDENT VARI .0797 .0217 -.0025 .1518 .1518 -.0518 -.0849 -.1037 -.1124 -.1175 -.1230 .0573 -.0159 -.0338 -.0897 -.0897 -.0907 -.0915 -.0757 . 1518 -.1023 -.0641 000 90 Ť - 7828 - 7937 - 8655 - 8655 - 9735 - 11230 - 1236 - 8148 - 7431 -. 68239 -. 7694 -. 6523 -. 6863 -. 7985 -. 7985 -. 8103 -. 7117 -. 5257 -. 7464 -.7316 .. 500 -.7308 -.7370 . 156 . 1.58 - 7594 <u>a</u> BETA (%) -. 0625 -. 1297 -. 1998 -. 1803 -. 1*279* -. 1886 -. 1743 -. 1673 .1013 -. 2626 -. 2932 -. 3229 -.2063 -.2239 -.2442 -.2582 -.2638 .1013 -.2112 -.3167 -. 1866 -. 1845 -. 1850 -. 1926 . 1013 -.2692 -.2749 -.2792 -. 1991 BETA BETA . 1520 . 173 . 178 .0722 .0358 . 1618 .0651 .0518 .0722 . 1007. . 1007. .22. . i 296 . 0922 .0536 .0353 .0143 101. .0722 0249 .0157 .0132 1) SPM B005TE SECTION 1 11 SPIN BOOSTEN 8 99 9433 2322 2073 2038 2005 .1696 25.5. 15.75. 15.75. 15.75. .0433 . 1503 . 1403 1896 1200 .1671 1208 E55 C HOW E - E - HOM 315.000 337.500 67.500 90.000 112.500 135.000 157.500 160.000 225.500 277.500 277.500 235.600 337.500 SECTION SECTION 8 500 .000 360.003 Ē ä Ŕ Ī

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(RB2502)

MSFC 567(1A32F)

900

BETA (4) .

900

MACH (1) •

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|--------------|--|
| SAM BOOST | |
| Š | |
| 50 a | |
| 19 53/2 53/2 | |
| 53/53 | |
| _ | |
| 187(1732) | |
| Ğ | |

| SECTION (1)59M BOOST | M BOOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
|------------------------|-----------|----------|---------|---------|-----------------------|--------|--------|--------------|---------------|---------|----------------|----------|--------|--------|
| X/LS · | 33 . OTZZ | . 1613 | 951. | . 1518 | .2240 | .3323 | £6044. | 98.
2. | .6570 | .7653 | .883 | .9122 | 86 | |
| PH1 | 2010 AU | F.789. | A363 | 1911 | 0350 | | - 1001 | 0666 | 6910 | .2858 | 0121 | 980 | *121 | |
| | | • | • | 1227 | 0728 | 0190 | 0109 | 0002 | .0167 | 2953 | 9636 | 1815 | 1860 | |
| | | • | ٠ | 1287 | 1152 | 0297 | 006¥ | 0001 | .0295 | 3707 | 20. | . 165 | 946 | |
| | | | • | 0899 | 2076 | 0324 | 0099 | \$\$00· | .0619 | 2409 | 0118 | 6360 | 9961 | |
| 270.000 .2797 | 93. 2366 | 0576 | | .0545 | 表高: | 0334 | 0029 | .0060 | .0895 | 1186 | .0031 | 高二. | .1356 | |
| 292.500 | | 1212 | 8671 | .0456 | 1482 | 0306 | .0043 | .0295 | .084∂ | 3061 | 0027 | .0867 | .0761 | |
| 315.000 .2781 | | 1810 | 8191 | 0297 | 0852 | 0279 | 0002 | .0302 | .0606 | 4718 | .050 | | 0172 | |
| 337.500 .2493 | | 1762 | 7636 | 0586 | 0604 | 0245 | 9.990 | . 0293 | .0473 | 360+ | 0.√0
0.√0 | .2467 | £ | |
| 350.000 .1952 | | 2063 | 7790 | 0879 | 0521 | 0378 | 0091 | .0168 | .0312 | 3483 | .1437 | .2260 | .0882 | |
| MACH (1) • | 009 | BETA (5) | | 4.000 a | • | 4.3481 | PTA | . 55. | 22.007 | ٠
و | 4.9943 | Ž. | . 17 | 17.251 |
| SECTION (1) SPN 80051 | H 800STER | | | DEPENDE | DEPENDENT VARIABLE CP | are co | | | | | | | | |
| X/LS . 0433 | 33 . O722 | . 1013 | .1150 | . 1518 | .2240 | .3323 | .4405 | .5488 | .6570 | .7653 | .8834 | .9122 | .9555 | |
| Ē | | | | | | | | | | | | | | |
| .000 | | 2304 | 8146 | 1339 | 0428 | 0785 | 0410 | 0097 | 0017 | 3465 | .0997 | .1709 | .0578 | |
| _ | | 2660 | 8320 | 1325 | 085¥ | 0667 | 0346 | 0098 | 0062 | 3354 | . 1263 | .1953 | . 0927 | |
| 45.000 . 0936 | 360062 | 2979 | B+03 | 1239 | 0793 | 0579 | 0338 | 0097 | .0026 | 3310 | 147 | <u>6</u> | 9160. | |
| 67.500 | | 3157 | 8037 | -: | 0606 | 0445 | 0258 | 0106 | 9100. | -, 3238 | .1518 | . 1893 | .0733 | |
| 90.000 000.06 | 59 0222 | 3198 | 7021 | 1122 | 0560 | 0364 | 0195 | 0070 | .0036 | 3000 | . 181¥ | 75.57 | .1135 | |
| | | 3150 | 6789 | 1103 | 0452 | 030€ | 0160 | 0053 | <u>₹</u> | 2918 | 9.61 | . 2359 | .1376 | |
| 35.000 .0765 | | 3078 | 8632 | 1165 | 0515 | 0293 | 0213 | 0088 | .0026 | 3050 | • <u>96</u> 1. | ź. | .1357 | |
| | • | • | 8608 | 1373 | 0535 | 032∿ | 0187 | 0106 | 6000. | 3086 | .2160 | .3163 | .1787 | |
| | | • | 8810 | 1947 | 0677 | 0230 | 0159 | 9.9990 | ₹900 . | 2933 | . 2025 | .3116 | . 2195 | |
| | | ٠ | 9248 | 1401 | 0793 | 0212 | 0105 | 000 | .0189 | 3219 | . 1559 | 2959 | . 2727 | |
| 225.000 . 1949 | | 3200 | 988 | 1379 | 1217 | 0311 | 0150 | .0002 | .0307 | 3867 | .0698 | .2075 | 2916 | |
| | | 2759 | -1.10** | 0766 | 2098 | 0319 | 0114 | .0055 | . 0563 | 2632 | .0055 | .0978 | .2250 | |
| 7006. 300.075 | . ess3 | 0404 | -1.1834 | . 0529 | 377¥ | 0499 | 0222 | . 0045 | .0788 | 1243 | 6100. | .0763 | 6770. | |
| 292.500 | | ; 009 | 8473 | .0315 | 1689 | 0588 | 0230 | .0082 | .0521 | 2482 | .0073 | ±060· | 875O. | |
| _ | | 1353 | . 9276 | 0570 | - 1089 | 0588 | 028 | .0100 | .0217 | 4432 | 9610. | 1247 | . O+6* | |
| _ | 6241. 98 | 1765 | - 72E. | 1002 | 0975 | 0607 | 9.9990 | 0060 | .0038 | 3429 | .0602 | .1578 | 820J. | |
| 360.000 .1780 | | 2304 | 8146 | 1339 | 0428 | 0785 | 9410 | 0097 | 0017 | 3465 | .0997 | 1709 | .0578 | |
| | | | | | | | | | | | | | | |

<u>5</u> ž (RB2502) 4.99.3 ď **E2**.007 SRH BOOSTER ¥ HSFC 567(1A32F) T9 \$3/2 53/2 03 · 4.350 DEPENDENT VARIABLE CP đ .000 . BETA - BU SECTION (1) SPM BOOSTER 3 - - - -

| | | | | | | | ;
 | | | | | | | | |
|----------------------|----------|---------|-----------|---------|---------------|-----------------------|--------|----------------|-----------|----------------|--------|---------------|----------|-------------|--------|
| X/LS | 8 | 2270. | . 1013 | 8 | . 1518 | 0.22 | .3323 | £03. | . D. 08 | .6370 | .7653 | .683 | .0122 | 86 | |
| Ë | | | | | | | | | | | | | | | |
| 000 | <u>₹</u> | 0300 | 2 | 0213 | E: | 0967 | . 0985 | 1640 | 0115 | 0016 | 3501 | . 0983 | . 1447 | K 5. | |
| 22.500 | ST72. | | * E. | - 8887 | 1 86 % | 1272 | 0913 | £ 5 . | 0151 | 014E | - WID | <u>*101.</u> | 1301 | 3 6 | |
| 45.000 | 0359 | 0560 | - W. | 8086 | 1564 | - 080 | 0669 | 037 | 0115 |
800. | 3470 | .1112 | . 1326 | .0163 | |
| 67.500 | | | 3523 | 7863 | 1200 | 0671 | 0500 | 0348 | 0133 | .000 | 3487 | . 1333 | . 1783 | 0380 | |
| 90.000 | 8 | 0716 | 3523 |
751 | 110 | 0536 | 0348 | 0213 | 0052 | .0037 | 3420 | . 1693 | 1955 | ₹
8. | |
| 112.500 | | | . K | 8195 | - 128 | 0500 | 0339 | 0249 | ₹0 | .0037 | 3711 | . 1702 | . 1917 | 653 | |
| 135.000 | 950 | 0769 | 30 CC | 8518 | - 132 | 9625 | 0410 | 0311 | 0168 | 0060 | 3523 | .2007 | . 2×93 | 6160. | |
| 157,500 | 9520 | | 3276 | 8503 | 1605 | 0734 | 0492 | 0393 | 0258 | 0150 | 3298 | .2304 | . 3090 | <u>3</u> | |
| 180.000 | 0200 | | 3080 | 8955 | 1860 | 0870 | 0406 | 0257 | 9.9990 | 0002 | 3413 | .2644 | 3998 | 37.15 | |
| 202,500 | 1457 | | - 2859 | 9.48 | - 159 | 0902 | 0273 | 0115 | .0023 | . 3207 | 3537 | . 2388 | .+390 | ##. | |
| 225.000 | 40.0 | | - 382· | 9760 | 1 3+8 | 1226 | 0274 | O.W | .0005 | .0337 | 1604 | .1158 | 3106 | .3167 | |
| 247.500 | | | - P.88 | -1.0971 | 0695 | 2151 | 0353 | 013¥ | | .0733 | 3301 | .0033 | . 1203 | 0115. | |
| 270.000 | 3297 | .2781 | 0229 | -1.1640 | .030 | 4228 | 0693 | 0343 | .0103 | . O.R.3 | 1835 | 0045 | .0735 | . 0235 | |
| 292.500 | | | 0735 | 828- | . 0285 | 2143 | 0A14 | 0316 | .0197 | .0773 | 3567 | *100· | <u> </u> | .0118 | |
| 315.000 | STE. | 1080 | - 1291 | 8019 | 0630 | 1326 | 0852 | 0396 | .0085 | .0¥98 | 4201 | .0199 | . 1578 | . 0966 | |
| 337.500 | 5275. | | 1613 | 7639 | | 1265 | 0899 | 8 .9990 | 0063 | . 0232 | 3633 | 1690. | . 1699 | 0195 | |
| 360.000 | <u>.</u> | .0395 | 2509 | 8213 | *FF1 | 0967 | 0985 | 0491 | 0115 | 0016 | 3501 | .0983 | 1467 | .0134 | • |
| HACH C 13 | • | 909. | BETA (7) | • | 10.000 | • | 4.3481 | PTA | • 55. | 22.007 | •
ਵ | 4.9943 | ž | . 17 | 17.£31 |
| SECTION (1)SPH BOOS | H85 | BOOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| x/rs | .0433 | 2270. | . 1013 | . 156 | .1518 | .2240 | .3323 | . 4403 | 989
9. | .6570 | .7653 | .883 | .9122 | 88 | |
| Ē | | | | | | | | | | | | ! | 1 | | |
| 000 | 1285 | .0236 | £8:- | 8215 | <u>.</u> | 101 | · | 0500 | e.x | . 000 2 | 3550 | 3 007. | | . 027 | |
| 22.500 | .056 | さる。 | 3347 | 8715 | 2023 |
3€ | 0978 | 0447 | 0168 | 0231 | ¥3 | . 1053 | 1399 | .9180 | |
| 000 | 0043 | 0886 | A See L | 52.40 | 1669 | 1147 | 0716 | 0339 | 0132 | 0052 | LEAD. | . 1143 | . 1339 | .0091 | |

1800. 1030. . 1143 . 1316 . 1561 . 1661 . 1681 . 1681 . 2354 . 3391 . 2963 . 0043 . 0052 . 0052 . 0052 . 0052 . 0052 . 0052 . 0052 - 3538 - 3738 - 3738 - 3738 - 4346 - 4346 - 4346 - 3658 -.4178 -.4679 - 0016 - 0020 - 0020 - 0088 - 0083 - 0082 - 0082 - 0084 - 0884 - 0587 - 0587 - 0587 - 0587 - 0587 - 0587 - 0587 - 0587 - 0587 - 0132 - 01050 - 01069 - 01069 - 01069 - 0136 - 0136 - 0136 - 0136 - 0136 - . 0159 - . 0259 - . 0313 - . 0455 - . 0327 - . 0324 - . 0334 - . 0334 - . 0518 - . 0500 -.0367 -.0347 -.0393 -.0623 -.0623 -.0624 -.0624 -.0678 -.0678 -.0678 -.0678 - 1668 - 1198 - 1092 - 1093 - 1093 - 1795 - 1795 - 1603 - 1603 - 1795 - - 36w - 6w9
- 3760 - 6016
- 3686 - 7237
- 3686 - 8179
- 3531 - 8296
- 3531 - 8296
- 3532 - 9125
- 2512 - 9125
- 2572 - 9126
- 0056 - 1.1078
- 0569 - 7915
- 1518 - 7454
- 1518 - 7454 -.0171 .0519 .1188 -.0897 -.066i 2855 -.0826 16.93 1.689 1.029 .0316 .0316 .0921 .1578 ₹93 25. K. F. S. E. S. 45.000 67.500 1112.500 135.000 135.000 202.500 225.000 275.000 287.500 3315.000

INDICATED SOURCE DATA, MSFC THT 967 (INSET)

HSFC 587(1A32F) T9 \$3/2 \$3/2 03

SAM BOOSTER

13.022 8 ŭ ENT. 32.00 (19.00) (19 ## 15 888 Ź ₹. 8.9 5.0 8391. 3186. 3186. 3139. 31 215. 2515. 2615. 2625. 3625. 3625. 3626. 3636. 3 . **86**3 . 4980 . 4889 . 4889 . 4555 . 4385 . 4288 . 3930 . 4668 . 4991 - 4734 - 4718 - 4338 - 4179 - 4014 - 3671 - 3693 - 3993 -.2146 -.6992 -.5489 -.4596 . 7653 -.2093 -. 4569 -. 4542 .7653 5775. 11679. 11533. 11688. 1088. 1088. 1089. 108 .6370 .6570 22.00 \$ **88 8** 1348 1.072 1.072 1.039 1.020 1.020 1.020 1.030 1 \$103 .0566 .0513 .0513 .0516 .0572 .0572 .0356 .0536 .0557 .4405 PTA .3323 - 0353 - 0159 - 0159 - 0159 - 0352 - 0559 - 0559 -.0314 -.0204 -.0215 -.0372 . 0332 . 0375 . 0375 . 0305 . .3323 7.386 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .2240 . 22.0 .0194 .0194 .0226 -.0003 -.0389 -.0818 -.1035 -.1671 -.1671 -.2022 -.0910 -.0298 .0041 -.2110 -.2105 -.117* -.0813 .1518 ...0400 ...0140 .0262 .0262 .0097 ...0135 -. 2233 -. 4208 -. 4257 -. 4517 . 0634 . 01133 . 0165 . 0065 . 2073 . 2095 . 4183 . 4530 . 4530 . 4530 . 4530 . 4530 1310 -10.000 -**9**.000 - 96999 - 94869 - 9500 - 9500 - 9627 - 1 0115 - 1 0276 - 90136 **9**. = . . 9903 . 9823 . 9823 . 9823 . 9865 . 9867 . 9777 -.8663 -.9010 -.8657 -. 8385 -. 727. -= . 0189 . 0443 . 0661 . 0366 . 0718 . 0303 . 1013 48-90. 68-90. 68-90. 68-90. 68-90. 68-90. 68-90. 68-90. 68-90. 68-90. 68-90. 68-90. 68-90. 68-90. 68-90. 68-90. . 1013 -.060% -.0698 -.0577 .0709 1509 1894 .0722 2318 2443 2652 200 .2096 .1798 3 9 8 8 1 · · .0722 .3033 . 220 . 1746 .3767 989. 1037. 1037. 3858 . 25.50 . 25.50 ž. SECTION 1 1158M BOOSTER **BCOSTER** 900 .0433 2 8 3096 3114 % % 8 % .3319 31.45 3387 28. 28. 28. 29. 2.2 9.58 9.58 3157 3863 Ë 500 MACH C RO MCH (2) 112.500 135.000 157.500 160.000 202.500 203.000 207.500 203.500 315.000 337.500 135.000 135.000 157.500 180.000 220.500 225.000 227.500 227.500 337.500 SECT 198. 90.00 9

(265294)

GAM BOOSTER

MSFC 567(1A32F) 79 \$3/2 53/2 03

| (143 <i>2</i> F) |
|------------------|
| 8 |
| ጀ |
| 1 |
| PATA. |
| SOUPCE |
| TABLEATED |

DATE OF SEP 75

| MACH (2) | • | 800. | ETA (3) | • | 4.000 ه | • | 7.3664 | ATA | • 22.004 | 5 | ď | 5.9 i | ž | • | 13.022 |
|--------------------------|------------|----------------|-----------|-------------|-------------|-----------------------|--------|----------------|---------------|--|----------------------|--------------|-----------------|------------------|---------|
| SECTION (1) SPN BOOSTED | | DOSTER | | | 3003430 | DEPENDENT VARIABLE | BLE CP | | | | | | | | |
| X/LS | .9433 | .0722 | . 1013 | 8 | . 151 | .2240 | .3323 | £044. | 88. | .6570 | .7653 | 68 | .9122 | 8 | |
| Ē | | į | | 8 | 1000 | 960 | Caro. | 25 | 7860 | 1667 | 4752 | 6091 | .2659 | . 1623 | |
| 999 | . KZ | | 9 | E100 | 98 BB | 0260 | 240 | 0308 | 3060 | 6031 | 4523 | . 1753 | .2833 | .22:0 | |
| 86.5 | | | | -1.0027 | 0803 | 038 | 0452 | .0217 | .0768 | . 126¥ | 4522 | .2339 | . 3332 | Ĉ | |
| 67.500 | | ! | | <u>.</u> | - B | 0269 | 0373 | .0235 | .0698 | & 0: | 4347 | .2201 | .7531 | .586 | |
| 90.000 | .2870 | . 29 98 | .0352 | 9963 | 2459 | 0337 | 0328 | 8÷10· | .0535 | ₹ | 013 | 6115 | .3362 | 26. | |
| 112.500 | | | .0319 | 9976 | 3606 | 0353 | 0337 | 0600. | 9.
9. | 9980 | 3922 | . 1876 | 31.75 | 5 | |
| 135.000 | 2852 | .2009 | 950 | | 4526 | 0431 | 0353 | 0350 | .0338 | .0823
2530 | - 3950 | <u>.</u> | | 9052 | |
| 157.509 | 27.3 | . 1831 | | -1.0232 | 44B7 | 0535 | 0353 | 0003 | .0329 | .0658 | - 3556
- 3556 | 5080 | E 0 | ה ה
ה | |
| 180.000 | 23 | .1577 | | -1.0329 | 1.040J | 0823 | 0361 | | 9990.
9990 | 0000 | אוכני. | C 190 | | 1001 | |
| 202.500 | 3575. | 537.1. | | -1.0560 | 5023 | 1100 | 0273 | C 600. | . 034B | 1 000 000 000 000 000 000 000 000 000 0 | 186. | 1020. | | 3 5 | |
| 225.000 | .3027 | .e178 | | -1.0755 | r
S
S | - 1881 | 029 | 3,00. | | 195 | 37.66 | 1000 · | | , p | |
| 247.500 | | | 1660. | -1.0033 | - 5465 | 2723 | ₹ : | .0077 | 226 | 2 6 | ָרָרָטָיִ.
מוניים | | | 7 6 | |
| 270.000 | .3893 | 980±. | M343 | 9 28 | 4467 | - 222 | Š | . 0102 | .0703 | 56. | <u> </u> | 0/63 | | n d | |
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ORIGINAL PAGE B.

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| 1,000 1,00 | 270.000 | 1603 | 5412 | 5151 | 5127 | 3882 | 2011 | 0831 | 0332 | . 1263 | . 2237 | 1242 | | .0359 | .1718 | |
| 0.00 | 200.000 | | | 1003 | 5933 | 2390 | 0382 | 0195 | 0721 | . 1857 | TITE. | 9776 | | 0190 | | |
| 631 • 1.050 BETA (31054709150053 9.9990 1994 37823744 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 118 000 | CACA | Rata | ¥ . | 6893 | 117 | 0240 | 0026 | 1063 | . 201 | .3897 | 4027 | *0: t · | 233 | . 0217 | |
| (3) 1.050 8ETA (3)68470594 .2909 .00901573 .2003 .35074418 | 313.000 | | 200 | 3 8 | . 679 | - 0547 | 5160 | 0053 | 9.9990 | 199 | .3782 | W.F. | 6103. | .3754 | 88 | |
| 100 .4403 .5706 .6ETA (3) = -4.000 Q = 9.4447 PTA = 22.007 RL = 1.050 .0ETA (3) = -4.000 Q = 9.4447 PTA = 22.007 RL = 1.050 .0ETA (3) = -4.000 Q = 9.4447 PTA = 22.007 RL = 1.050 .0ETA (3) = -4.000 .3323 .4405 .5989 .6570 .7653 .000 .4533 .0722 .1013 .1159 .1519 .2840 .0510 .098 .0182 .1167 .1654 .2918 .4935 .000 .4633 .4059 .2533 .6659 .2833 .6659 .2859 .0620 .0031 .1119 .1159 .2694 .4335 .000 .4851 .4099 .2533 .6649 .2859 .0620 .0031 .1119 .1119 .1415 .2694 .4335 .000 .4851 .4099 .2533 .6449 .3759 .0005 .0005 .0012 .1119 .1415 .2694 .4335 .000 .4851 .2844 .2855 .3999 .2841 .6518 .3769 .0075 .0005 .0012 .1119 .1914 .2378 .2800 .4859 .3769 .0005 .0019 .0011 .1914 .2378 .3990 .4851 .2844 .2816 .2833 .2844 .2835 .0009 .2813 .2844 .2835 .0009 .2813 .2844 .2836 .2848 .28499 .2849 .2849 .2849 .2849 .2849 .2849 .2849 .2849 .28499 .2849 . | 337.500 | 000 | 5363 | | 200 | 1020 | 000 | 0600 | 1573 | .2003 | .3607 | 8143.1 | . 2856 | +554 | 2986 | |
| (3) • 1.030 BETA (3) • | 3 | Ē | 8 | | } | į | 1 | | 410 | 6 | 200 | | | 456 | • | 10.975 |
| 100 (1)5784 B005TER DEPENDENT VARIABLE CP 3323 .4405 .5488 .6570 .7653 .0433 .0722 .1013 .1158 .1518 .2240 .3323 .4405 .5488 .6570 .7653 .000 .4651 .4055 .2503 .6516 2812 .0488 0182 .1160 .1562 .2918 .4455 .500 .4651 .4059 .2534 .6516 2812 .0488 0182 .1118 .1415 .2694 4935 .500 .4651 .4059 .2534 .6516 2812 .0489 0187 .1118 .1415 .2694 4935 .500 .4651 .2812 .0724 .0059 0167 .1276 .2789 .1789 .1879 .1879 .1879 .1879 .1879 .1879 .1879 .1879 .1879 .1879 .1879 .1879 .1879 .1879 .1879 .1879 .1879 .1879 .1879 | ~ | • | | - | • | | • | * * * * * * * * * * * * * * * * * * * | <u> </u> | | | | | | | |
| 1000 | SECTION (| 10 SPR 10 | DOSTER | | | DEPENDEN | T VARIA | BLE CP | | | | | | | | |
| . 4635 . 4055 . 2636 1835 0914 0355 1187 1654 3162 4435 4655 4055 2503 6516 2812 0498 0182 1150 1562 2918 4254 4055 2503 6516 2812 0498 0182 1115 1115 1562 2918 4254 4055 2533 6468 3259 0031 1118 1415 . 26694 4305 2534 5834 0672 0005 0930 1276 2512 4149 6516 3745 0724 0059 0930 1276 2512 4149 6516 3769 0949 0059 0012 0012 1074 2239 3974 4138 3451 6679 0049 0050 0011 0012 1014 3738 4138 3470 960 4252 0279 0140 0019 0791 1914 3738 4138 3470 960 4683 0108 0109 0791 1914 3738 4138 3470 960 6693 0676 0109 0341 9590 1694 3202 4251 3540 950 6995 4687 0108 0213 0290 0316 1911 4252 0213 0290 0341 9138 3304 3504 3504 2513 4635 1911 0415 0213 0290 0316 1911 0314 3304 3504 2518 0108 0251 0109 0314 0254 0251 0109 0254 0251 0100 0314 0254 0251 0100 0314 0254 0251 0100 0314 03337 4080 0318 0313 0254 0251 0100 0314 0335 0316 0325 0325 0325 0326 0255 0276 0251 0254 0251 0254 0251 0254 0251 0255 0276 0251 0254 0251 0254 0251 0254 0251 0255 0276 0251 0254 0251 0255 0276 0255 0276 0251 0255 0276 0251 . | x/rs | .0433 | .0722 | .1013 | .1158 | . 1518 | .2240 | .3323 | .4405 | .5±88 | .6570 | . 7653 | · 883· | .9122 | .9555 | |
| 4635 -1416 -2503 -2616 -0914 -0355 -1116 1656 -4549 4635 -4055 -2503 -2616 -0916 -0116 -1150 -1566 -2918 -4254 4651 -4055 -2636 -2616 -3259 -0620 -0031 -1116 -1116 -4254 -4206 4554 -6346 -3451 -0620 -0031 -1415 -6516 -4116 -4116 -4116 -4116 -4254 -4116 | ā | | | | | | | | | | | | | | | |
| 4655 -2616 -2816 -0116 -1150 -156 -4254 4651 -4655 -2636 -6616 -0930 -1116 -1415 -2684 -4305 4651 -6734 -3636 -0620 -0031 -1116 -1415 -6894 -4305 4655 -2634 -5636 -3451 -0724 -0059 -0930 -1276 -2397 4656 -2636 -3769 -0672 -0005 -0916 -1079 -3879 4409 -2718 -3676 -0725 -0005 -0916 -2719 -3186 4413 -3760 -2789 -0748 -0109 -0916 -0791 -3186 -3208 4413 -3760 -2789 -0109 -0119 -0791 -0791 -3794 4413 -3760 -2781 -0109 -0191 -0791 -0791 -3794 4413 -3760 -2781 -0109 -0191 -0109 -0191 -0191 -0191 -0191 -0191 -0191 -0191 -0191 </td <td></td> <td>4747</td> <td>2114</td> <td>25</td> <td>6503</td> <td> 1835</td> <td>1160.</td> <td>0355</td> <td>1187</td> <td>165€</td> <td>.3162</td> <td>4435</td> <td>.2610</td> <td>¥025</td> <td>. 20to</td> <td></td> | | 4747 | 2114 | 25 | 6503 | 1835 | 1160 . | 0355 | 1187 | 165€ | .3162 | 4435 | .2610 | ¥025 | . 20to | |
| | 000.00 | 1 F 2 S | 10.55 | 2503 | -,6516 | 2812 | 86±0. | 0182 | 1150 | . 1562 | .2918 | 1 25 | . 294B | £93. | 3779 | |
| | 1000 F1 | 1999 | 6604 | 2533 | - 6458 | 3259 | .0620 | 0031 | 1118 | .1415 | .268 4 | 4305 | .3060 | .4530 | 3768 | |
| . 4555 . 3998 . 2513644135810672000508121074223939742816244165163769057600350693090521943816944928162929004800900611083219653629362443383470960688645830100014190791191437384138347096068864583010801900341 8.9990186432024531010801900341 8.99901864320445113980197071462021302900816193830445243518402510213029102542825023402510254025502540255 | 67.500 | | | ¥80. | 6383 | 3451 | .0724 | .0059 | 0930 | .1276 | .2512 | 6414 | .3023 | \$654. | .3855 | |
| . 1944 6516 3769 0035 0693 0695 1945 3816 | 000.06 | 100 P | 3998 | .2513 | 04 | 3581 | .0672 | .0005 | 0812 | .1074 | . 2239 | 3974 | . 2828 | <u>ş</u> . | 3879 | |
| . 44.09 . 3760 . 23306579 9969 0040 0011 0032 1965 3529 4332 4138 3406 256 4583 0110 0110 011 0114 3738 4138 3470 960 6866 4583 01109 0110 | 112.500 | | | 13.5 | 6516 | 3769 | .0576 | 0035 | 0693 | . 0905 | ₹
619. | 3816 | . 2 ⁴⁵³ | #080 · | . 3590 | |
| . 4.136 | 135.000 | 6044. | .3760 | . 2330 | 6578 | 3969 | 8±±0. | -, 3090 | 0611 | . 0832 | . 1965 | 3629 | . 1937 | . 3215 | ָאָרָ
קַּי | |
| . 138 . 3470 | 157.500 | . 4327 | 3646 | .2130 | 6701 | 4252 | . 0279 | 0140 | 0419 | .0791 | 1914 | 3738 | - 33± | , y . | 3055 | |
| . 4251 . 3624 . 1877 6995 4657 0816 0185 0308 . 0752 . 1845 3493 4511 . 3980 . 1970 7116 9559 1982 0220 . 0816 . 1938 3044 5243 5269 5843 6269 5843 6269 6269 0256 0276 6976 1911 5243 5518 5219 5034 1792 0675 0418 1638 3377 5984 6263 0485 1005 1638 3377 5984 6263 6269 0100 1739 4635 638 4746 6251 6263 1835 4885 6383 4833 4833 4835 4835 4835 1835 4835 1835 1835 1835 1835 1865 1865 4435 4435 | 180.000 | .4138 | 3470 | 960 | 6866 | 4583 | 0108 | 0190 | - 03£ | 8 .9990 | ±98.
• • • • • • • • • • • • • • • • • • • | 3202 | 8/ /0. | 500 |) to 0. | |
| .4511 .3980 .197071165559146202130290 .0816 .19383044 .3020 .2362236202580276 .0976 .21741911 .2543 .5618 .0276 .0976 .21741911 .2543 .5618 .253450942731216905510418 .1267 .2524 .33775984 .407956381792087504820765 .1638 .33775984 .2033 .4786 .279165252011025405511100 .1739 .34134635 .4635 .4635 .3274080 .33274080 .33274080 .33274080 .33574080 .33574080 .33574035 | 202.500 | žŠ. | 362 | .1877 | 6995 | 4637 | 0816 | 0185 | 0308 | .6752 | . 10
10 | 3¥93 | .0292 | 2960 | 3 | |
| .30206469564323620258026. 09766751911191152435618651041816756245634563805510418165756241616 | 225.000 | 1184. | .3980 | . 1970 | 7116 | 5559 | 1462 | 0213 | 0290 | .0816 | . 1938 | ##OF - | \$050 | £199. | 05/1. | |
| .5643 .5618 .523450942731216905510418 .1267 .55241516407956381792087504820755 .1638 .337759845083 .4786 .279165252011025405511100 .1739 .34134635 .4694 .01470633 9.9990 .1769 .33274080 .474 .4713 .251465712282 .01470633 9.9990 .1769 .33274080 .474 .4112 .251465051835 .091403551187 .1654 .31624435 | 247.500 | | | .3020 | 6+69 | 5843 | 2382 | 0258 | 0278 | 976 | ¥ 12. | - 1911 | 0515 |) (60°) | 900 | |
| - 5984 - 5988 - 5984 - 5988 - | 270.000 | 5243 | .5618 | 5234 | 509 | 8731 | 2169 | 0551 | - 0¥18 | .1267 | ٠.
در در د | 1516 | - 0+35 | 76/0. | 000 | |
| . 5083 . 4786 . 2791 6525 2011 0254 0551 1100 1739 . 3413 4535 4848 4813 . 2514 6571 2282 0147 0633 9.9990 1769 3327 4080 4747 4112 2435 6505 1835 0914 0355 1187 1654 3162 4435 | 292.500 | | | ¥079 | 5638 | 1792 | 0875 | 0482 | 0765 | . 1638 | .3377 | - 5984 | - 0.99 | 6359. | | |
| . 4948 . 4313 . 251465712282 . 01470633 9.9990 . 1769 . 33274080 . 474,4746505183518351187474, | 315.000 | .5083 | .+786 | 1675. | 6553 | 2011 | 025¢ | 0551 | - 1100 | . 1739 | M . | - 4635 | *CO: | . 3302 | 9000. | |
| . 1747 - 118 - 1850 - 1832 - 1832 - 1835 - 1187 - 1854 - 18435 - 18435 - 18435 - 18435 - 18435 - 18435 - 18435 | 337.500 | 48 49 | .4313 | 180 | 6571 | 25 3 5 | .0147 | 0633 | 8 .9990 | . 1769 | . 3327 | - 4080 | . 2283 | COBS . | ξ. (.
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| | 360.000 | C#7#. | ¥118 | . 24.35 | 6505 | 1835 | 160 . | 0355 | 1187 | 1654 | .3162 | - 4435 | .2610 | 11
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1004 | | | | | | |
|--------------------------|---------------|------------------|---------------------|--------|----------|-----------------------|------------------------------|--|----------------------------|---------------------|--------------------------|---|--------------------|------------------|--------|
| | | | | ž. | C 56711A | 32F) 19 | MSFC 56711A32F) TB 53/2 53/2 | 60 | SRM 90051ER | 85 | | (RB2502) | (2) | | |
| HACH (3) | 1.050 | | BETA (4) | | 0 000. | • | 8.4447 | PTA | - 22.007 | 200 | ₽ | 6.8571 | \$ | • | 10.975 |
| SECTION (1)58H B005TEF | 08 18501 | OSTER | | | DEPENDE. | DEPENDENT VARIABLE CP | PLE CP | | | | | | | | |
| X/LS | . 9433 | . 0722 | .1013 | .1158 | . 1518 | .25*0 | .3323 | 1400 pm. | .5488 | .6570 | . 7653 | 883 | .9122 | .985 | |
| Ĩ | | | | | | | ! | | | Š | 9 | 6000 | 1012 | 8 | |
| 000 | ţ. | .×100 | 8 | 6259 | 1975 | 0449 | 0678 | 1315 | 1383 | DE 31.16 | 7037 | 9010 | 55.5 | 200 | |
| 22.500 | .4516 | . 3853 | .2317 | 6638 | 2743 | - 9562 | 7190 |) P | 960 | 2 000 | 4702 | 2286 | 3370 | 3132 | |
| 45.000 | 4400 | 37.55 | .2175 | 6719 | 3513 | | 0.40 | 755 | 6001 | יים
משלת
משלת | 1863 | 2324 | 3358 | .3193 | |
| 67.500 | | | 2065 | . 6699 | 3970 | | 9250 | 660 | | 1981 | 3533 | 2255 | 3195 | 3140 | |
| 90.000 | .¥. | 主网 | .2017 | 674 | 1204 | 1410. | . 0343 | . 00. r | 080 | 2037 | 3079 | .2162 | .305¥ | .3237 | |
| 112.500 | | | . 2028 | EC/ 9. | | 200 | 4010 | ָ
֭֭֓֞֝֞֝֞֝֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֡֓֓֓֡֓֡֓֓֓֡֓֡֓֡֓֡֓֡֡֡֓֡֓ | 600 | 1161 | 2973 | .2027 | 3015 | .¥91 | |
| 135.000 | -4218 | P 79 | .2035 | 6783 | יילי /ס | 2 6 | | 1000 | | 88 | 3087 | 17. | .2855 | .3616 | |
| 157.500 | .4267 | 840P. | .2021 | 6773 | C+34. | 0100 | 0004 | ים ה
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| 160.000 | .4229 | .3538 | .2036 | 69 | 14. | 9 | | 1,000 | 000. | 3 | - 3033 | 1031 | .1683 | 2749 | |
| 202.500 | .4380 | 3.50 | . 2055 | 6897 | 4755 | | / DIG | 200. | 9001 | | G0CF - | 0476 | 1208 | .2293 | |
| 225.000 | ₹99 †. | []
F | 5115. | 6966 | 4712 | - 2088 | יים מיונים | י.
מפנט. ו | 0221 | 2356 | - 2201 | -,0246 | 1080 | .2123 | |
| 247.500 | | | ₹X. | 6327 | Page - | 350 | . הלים
מרקט | . 0667 | 900 | 9 | 1052 | 0301 | 9680 | 1961 | |
| 270.000 | .5387 | 5172 | .5273 | - 5075 | 3222 | | E/60 | 2000 | 2011 | | 3162 | 0169 | .0737 | 1304 | |
| 292.500 | | | .¥107 | 5604 | 2167 | - 176 | BCCO | 670.1 | 12. | 0660 | 1 1 1 1 | S C C C C C C C C C C C C C C C C C C C | 500 | .0087 | |
| 315.000 | 593 | 1 986 | 3000 | 6316 | 1653 | 1260 | 0539 | 0863 | | 9 9 6 | 2002 | 1705 | 9622 | 611 | |
| 337.500 | .5053 | 1521 | 8262 | 6¥0* | - 1796 | 550 | 10/0:- | 0000.
0000. | 5000 | 2000 | 9001 | 2087 | 3181 | 2096 | |
| 360.000 | ¥1. | ¥. | . 2 ⁴⁵ 5 | 6529 | 1975 | 0440 | 0578 | 0.51. | . 1.383 | . 6639 | 1030 | | | | |
| CE O HOVE | 9.1 | 38 050.1 | BETA (5) | | 4.000 Q | - | 8.4447 | PTA | - 22.007 | 007 | E | 6.857 1 | ¥\$ | • | 10.975 |
| | | | | | | | 1 | | | | | | | | |
| SECTION (1) SPM BOOSTEI | 20.55 | DOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | HE C | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | . 158 | .1518 | .22v0 | .3323 | £044. | 88 ₹. | .6570 | . 7653 | .683¥ | .9122 | .9555 | |
| | | | | | | | | | | | | | | | |
| Ē | | 40.0 | 4 | 10,45 | 25 | 0210 | 1220 | 1275 | . 1228 | .1970 | 3900 | . 1265 | .2076 | .1073 | |
| 000 | 9104 | 219 | 6110 | 6889 | | 1378 | - 1246 | 1378 | 1711. | .1797 | 3601 | .1487 | .2161 | .1572 | |
| 26. 284
200 Au | | 7.55 | 187 | .6855 | • | 1048 | 1048 | 1345 | . 1222 | . 1892 | 3625 | . 1609 | 87.
1 | 1819 | |
| 67 500 | } | | -0.0 | 6907 | 4229 | 0460 | 0798 | 1228 | . 1202 | 1901 | 3671 | 1828 | ָּהָלָ
מַלְּיִי | 1970 | |
| 900 | 3703 | 3083 | . 1633 | 6922 | 4509 | 0226 | 052 | 1013 | 1711. | 191 | . 3693 | 8 6. | .e743 | 2
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3
3 | |
| 112.500 | | | . 1670 | 6898 | 4552 | 0131 | 0273 | 0776 | 1089 | 1961 | 3520 | 26 (2) | 9 15 | | |
| 135.000 | 1912 | .3160 | .1770 | 6893 | 4497 | 0277 | 0126 | - 06+3 | 000. | 1816 | - 3556 | 5 (1) | 5 5 | 2000 | |
| 157.500 | 3016 | .3290 | . 1810 | 686¥ | 4457 | 0574 | 0030 | 35. | .0933 | 10. | 7560 | 31 33. | 0505. | 5 6 | |
| 180.000 | 7466. | 3¥90 | .2103 | 6729 | 1.4502 | 175
0.75 | .006 | Or 5 | 9990 | 200 | , 500 | B361 | 200 | 3776 | |
| 202.500 | ¥139 | .3787 | . 2209 | 6705 | 4210 | 2207 | .0003 | 66 10 - | .0772 |) CB ! | 01/01 | | 200 | 1962 | |
| 225.000 | ¥38 | 7124. | . 2330 | 6770 | 3±66 | 80. | 012- | - C253 | 1 1 1 1 1 1 1 1 1 1 | 82D2. | C . | | 5.4.5 | 5 | |
| 247.500 | | | .3139 | 6338 | 4426 | - 4499 | 0318 | ور
ج | . 09g5 | . 2329 | 5 | 5050. | , e | , C.30 | |
| 270.000 | 5145 | .5753 | .5300 | 49B7 | 0908 | 4406 | - 0698 | . 122 | M+60. | . 25 C | 1421 | | 240 | י מי | |
| 292.500 | | | .4512 | 5172 | .0691 | 2819 | 1.100 | n
J | 5 | e c | שיים
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מיליים | | | 200. | |
| 315.000 | 5389 | .5330 | 91.9 | 5885 | | 2293 | - 1086 | - 1086 | , 02 . | . i. i. | 40.43 | 1 6 | | ğ | |
| 337.500 | 38 | .4827 | .3087 | 60¥9 | | | | 5.5990 | 55.1. | 2002 | 00/5. | #3C1 | 9 6 | 1074 | |
| 360.000 | .4593 | .,,030 | <u>*</u> | 6421 | 1532 | .0120 | 1220 | :275 | 1228 | 1970 | 390 c | 7031. | j. | | |

(RB2502

587 (1A32F) TABULATED SOURCE DATA, MSFC THT

10.975 8 ð . 9183 6.857 . 883¥ .7653 췯 .6570 22.007 SAN BOOSTER . 94.00 . 1503 7 MSFC 567(1A32F) T9 53/2 53/2 03 .3323 B. 1117 DEPENDENT VARIABLE CP 3.73 .1516 **8**.000 . 1.56 BETA (6) . 1013 .0722 BOOSTER <u>.</u> P. 9433 SECTION **PACH**

10.975 8060. 1179. . 1624 . 0422 - 0360 - 0590 - 0496 - 0496 - 0134 . 1446 . 1446 . 1512 . 1648 . 2070 . 2179 . 2471 . 2677 -,4010 -,3904 -,4148 -,4148 -,4526 -,4526 -,4739 -,3794 -,3866 -,3944 -.3816 -.3834 -.3927 -.3877 -.4131 . 1003 . 0848 . 0893 . 0893 . 0893 . 0893 . 0890 . 0800 . - 2074 - 1689 - 1689 - 1685 - 0780 - 0780 - 0159 - 0070 - 0079 -. 1506 -. 1980 -. 2040 -. 1912 -, 1926 -, 0971 -, 0478 -, 0382 -, 1081 -, 2156 -, 3156 -, 316 -, 3166 -, 3168 -, 3168 -, 3840 -, 3840 -, 3840 -, 3840 -, 3840 -, 3840 -, 3840 -, 3840 -, 3840 -, 3864 -.4622 -.4822 -.4546 -.4327 -.2986 -.2203 -.2934 .1997 -.5123 -.5286 -.5838 ..6110 ...7035 ...7036 ...7070 ...7070 ...6897 ...6893 ...6828 ...6828 ...6828 ...6828 .5182 .4892 .3922 22752 2267 2267 32628 3628 4038 3322 9453 2663 .356¥. 4005 .5076 .5003 .4260 345 112.500 135.000 157.500 180.000 225.000 227.500 237.500 337.500 90.000

6.857 Ŕ B.4447 DEPENDENT VARIABLE CP 8 <u>ë</u> 5 1338H BOOSTER .050 ACH - 33

SECTION

.9555

.9122

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.2002 .1847 . 1913 . 4405 -.0363 - 1985 - 1986 - 1649 .3323 0.4%. .1518 . 1013 9270 .3195 .2700 .0433 .4099 3470 3029

.1047 .1179 36.1.769 1.769 1.203 1.203 1.203 1.3 -,4107
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| CATE 05 SEP 75 | ĸ | | | TABLE | TABULATED SOURCE DATA, MSFC TWT 587 (1A32F) | E DATA. | HSFC TH | 1 567 (1 | 1A32F) | | | | | PAGE | 307 |
|--------------------------|-----------|---|---------------------|----------------|---|---|----------|----------------|-------------|----------------|--------------|----------|-----------|----------------|---------|
| | | | | Š | HSFC 567(11A32F) T9 53/2 53/2 03 | F) 19 S | 3/2 53/2 | | SRM BOOSTER | 5 | | (RB2502) | 6 | | |
| MACH (%) . | 1.20 | 4ETA | 2 . | • | -10.000 Q | • | 9.2803 | PTA | - 22.005 | 200 | e
et | 6.9757 | ¥S. | • | B. 5301 |
| SECTION (1) SPN BOOST | S008 HB5(| 2 5 | | | DEPENDENT | r VARIABLE | LE CP | | | | | | | | |
| X/LS | . 833 | .0722 | .1013 | <u>=</u> | 9151. | 0422°. | .3323 | £03 | .5¥88 | .6570 | . 7653 | .6834 | .9122 | .9555 | |
| 1 | | į | 0 | 8 | 1000 | 622 | .9891 | 0208 | 0008 | .3890 | 3600 | .0559 | .3373 | .4037 | |
| 000. | | 1914 | 1 | 8504 | 2617 | 3 | 1415 | 0120 | 1,000 | .3540 | | 0571 | 0515. | 9994. | |
| 44.000 | | . F. E. E. | 3860 | 3860 | | .2026 | 35 | .0092 | 0062 | .3071 | | 1657 | .4576 | .4630 | |
| 67.500 | | } | 1814. | 3645 | | 0345 | .0827 | .0380 | .0029 | 1542. | | 1523 | .4570 | | |
| 90.000 | . 4993 | .5143 | .4387 | 3529 | | 0416 | . OF \$1 | .0301 | 0057 | .1613 | 1524 | 1166 | | 6475 | |
| 112.500 | | ! | 1614. | 3680 | • | 0980 | /600. | 910 | - 0767 | .0581 | | 0876 | .3267 | 2782 | |
| 135.000 | | .4533 | . 3827
24.15 | 3880
- 1155 | ֓֞֜֜֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓ | 2.2197 | 0400 | 0286 | 0992 | 1010 | | 1139 | . 2256 | . 1609 | |
| 157.500 | 965 | CD24. | 51 P.C. | 1 | · | - 2048 | 02.0 | ¥010· | 9.9990 | .1459 | | 0496 | 1¥5i . | .0387 | |
| 202 500 | | 1939. | 3080 | 4207 | | 1055 | .0195 | .0161 | 0088 | .1437 | | 0511 | ₹C. | .0013 | |
| 255.000 | | .4505 | .3233 | 4334 | | 1004 | 0421 | .029 | .0020 | . 1679 | | 0650 | 51.16 | C/ 80 . | |
| 247.500 | | | 1544. | 3758 | | 1687 | 0407 | 0446 | .0221 | 1871. | 2003. | 1000 | 91.50 | 1509 | |
| 270.000 | . 5303 | .6095 | 17.49 | 2480 | • | 3189 | - 1805 | 0120 | 710. | 0/07 | 722. | • | 0788 | 1388 | |
| 292.500 | | ! | .4793 | . 352 | • | . U.S. | 2401. | 0000. | 7550 | 7077 | 3385 | | \$ | .0653 | |
| 315.000 | ٠ | ₩ 937 | 90 F. | - 4742 | 38C+. | מושו. | 2001. | 2000.0 | 0253 | 4004 | 3497 | đị. | .3568 | 2446 | |
| 337.500 | • | 4383 | 319: | 100 | 5055 - | 1328 | 9651 | 0208 | 0008 | .3890 | 3600 | . 0559 | .3373 | .4037 | |
| 350.000 | 1664. | | 24.76 | P. | | | | | | | | | | 1 | |
| MACH (4) . |
 | BETA | (S) \(\frac{1}{2}\) | • | -B.000 Q | • | 9.2803 | PTA | - 22.005 | 005 | ·
æ | 6.9757 | P.S. | • | B.5301 |
| SECTION (1) SPM BOOSTER | SSB B005 | TER. | | | DEPENDENT VARIABLE CP | T VARIA | BLE CP | | | | | | | | |
| X/LS | . 0933 | .0722 | .1013 | .1158 | . 1518 | . ZZVO | .3323 | .4405 | 24.88 | .6570 | .7653 | .883* | .9122 | .9558 | |
| Ē | | | | | , | | ; | i | 0 | 2630 | 25.05 | 45.40 | 7063 | 1963 | |
| 000 | | £007 | 3188 | 3 | . 288 | 60 | 791. | 1.0436 | 56.10 | 3216 | 3887 | 0276 | .3703 | .4678 | |
| 22.560 | | | | C SOF | 0350 | 1880 | 0668 | **00 | 0473 | .2768 | 3847 | 1674 | BI 13. | .4535 | |
| 43.000
67.500 | . 1604. | 1333 | 3936 | 3675 | - 208 | .0151 | .0576 | .0218 | 0506 | .2158 | 3896 | 1640 | .4305 | .4311 | |
| 90.000 | . 4238 | 4697 | .4113 | . 36.1 | 1928 | 0468 | .0277 | .0219 | 0489 | 6441 | 3887 | 1119 | 3 5 M 5 . | - 4085
4035 | |
| 112.500 | | | 7165. | 3733 | 2115 | 1131 | 01.0 | 3 6 6 6 | 1920 | , 113/
7880 | 27.50 | . 060.1 | 3347 | 285 | |
| 135.000 | | 8424 | . 36±3 | 3913 | 31.5° | -,1565 | 2 6 | 8610 | 0761 | 1051 | 3525 | 0560 | ٠
د تع | 1839 | |
| 157.500 | | 10 to | 600E | 400 A | 3056 | 2043 | .0380 | 004 | 9.9990 | . 1298 | 3579 | 0391 | . 1206 | 7470. | |
| 202.500 | • | +061 | 2960 | 4263 | • | 1403 | .0263 | 0053 | 0157 | 1301 | 3235 | 0550 | 6910. | ¥7.50. | |
| 225.000 | . 1551 | 5644 | .3136 | 4410 | • | 1300 | <u>.</u> | 0069 | 0006 | . 1575 | 3 000 | 250 | 2010 | . 13. | |
| 247.500 | | | .4379 | 3819 | | 1952 | 0266 | .0077 | 1150. | . 1693 | | - 1377 | 9600. | 1355 | |
| 270.000 | .5100 | 5020 | 2 | . 253
1 | • | - S. C. | 0141 | 5 6 | | 404 | 3310 | 0187 | 0792 | 1102 | |
| 292.500 | ţ | 6363 | 26/4 | / 30C4 - | CC04. | 0.050 | 9060 | 97.3 | .059 | 4179 | 3428 | .0534 | | 0979 | |
| 313.000 | • | 1024 | 41.72 | £ . | | 1762 | 1311 | 9.990 | .030+ | ¥003 | 3546 | .0636 | .3139 | ₹0. | |
| 360.000 | • • | £003 | 3188 | 4114 | 2931 | 158 | .1167 | 0452 | . 0059 | .3630 | 3506 | .0634 | . 3063 | .3953 | |
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| (1A32F) | |
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| MSFC TMT 567 | |
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| SOURCE DATA, | |
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| SECTION (1) SW BOOSTI ALS OUR 3799 .38 22.500 .3799 .38 22.500 .3799 .38 45.000 .3799 .38 67.500 .3075 .38 67.500 .3069 .37 112.500 .2964 .37 112.500 .2964 .37 112.500 .3083 .37 125.000 .3265 .38 125.000 .3265 .38 | | ETA (3) | • | -4.000 Q | 000 Q = 9.6
Dependent variable | 9.2803 | PTA | | 22.005 | æ | 6.9757 | 7 PSA | • | 8.5301 |
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. 2803 | | 3486 | 3910 | 2530 | 0966 | .0200 | 0045 | 0604 | <u>.</u> | 3533 | 0093 | 3424 | .3120 | |
| .2083
.2662
.2803 | .3766 | = #. | 3948 | 2643 | 1509 | .0321 | 0103 | 0612 | .0838 | 3316 | *110 . | .2865 | .2685 | |
| .2662
.2803
.3286 | 3704 | .3183 | 4082 | 2883 | 1655 | .0301 | 0157 | 0533 | .0905 | 2932 | - 0019 | .2061 | .2157 | |
| .3286 | 369 | 3032 | 4138 | 306+ | 181 | .0156 | ₹600. | 9.9990 | . 0922 | 2731 | .0082 | 1301 | 1738 | |
| 3286 | .3907 | £82. | 4262 | 3600 | 164E | 0050 | 0025 | 005₹ | . 1082 | 2505 | 0353 | 7550. | . 1249 | |
| | £044 | 3111 | 4362 | 4217 | -, 1863 | 013 | .0303 | .0036 | 1399 | - 2463 | 9680 | 0117 | 6401 | |
| | } | 4318 | 3777 | 681 | 2290 | 0050 | 8000 | .0120 | 1732 | - 2062 | 11% | 0163 | 2511 | |
| 90 | 5103 | 1 | 4 | 1021 | 25.20 | 0.00 | 7220 - | | 3446 | 1100 | 3000 | 9410 | 9 | |
| | 3 | | 138F | 1555 | 1 450 | 1020 | 70.7 | 9 5 | 07.75 | 7027 | 9020 | 9610 | 0000 | |
| 01.01 | | 9 00 | 1000 | 5 | 1600 | 000 | . 0733 | | 1000 | 1000 | 0530 | | 06.0 | |
| 3630 | 56/4 | 8005. | CC04 | BS 15 . | con. | 6/01 | 0595 | | . 3501 | 3354 | . 0535 | | 1746 | |
| .3076 | . F253 | ₩. | 3923 | 2667 | . 1088 | . 0859 | 9.9990 | 0146 | .3463 | 3574 | .0891 | .3214 | .1938 | |
| 3799 | . 3928 | .3382 | 3962 | 2355 | . 1875 | ***0. | -,1153 | 0335 | .3119 | 3758 | .079 | .2681 | .3185 | |
| | | | • | 000 | • | 9.2803 | PTA | . 22. | 900 | æ | • 6.9757 | 85
A | • | B. 5301 |
| 39H B0C | STER | | | DEPENDE | UT VARIA | PLE CP | | | | | | | | |
| 22.40 | CCLU | 2101 | 1150 | ,
a | 0166 | FCFF | 111 | 0071 | ER.76 | 7667 | 12.00 | 0010 | 90 | |
| | | : | 3 | : | 2 | | 3 | 5 | 3 | 3 | 8 | 316. | 7 | |
| 9000 | 7002 | Catal | 1000 | 96.10 | 9001 | 900 | 6000 | 010 | | 30.00 | | É | | |
| 1917 | 80 | 3371 | 3892 | 200 | 2050 | P. 67. | | P. 90 - | 3 | - 37AA | 201 | 96. | 300 | |
| 9771 | 3515 | 3286 | 3970 | 555 | .0396 | 0452 | | 0735 | 1308 | 37B2 | 7.790 | 3055 | 3167 | |
| | | .3238 | * 023 | 2692 | 6800 | 0339 | | 0735 | 1168 | 3759 | 0818 | 3339 | 3223 | |
| . 1560 | .3110 | .3177 | 4022 | 2709 | 0151 | 0143 | | 0589 | .0.73 | 3638 | .0945 | .3373 | .3090 | |
| | | .3155 | 4101 | 2822 | 0851 | 0018 | | 0381 | .080. | -, 3095 | . 1143 | 307! | .2896 | |
| | .3092 | .3046 | 4099 | 2883 | 1267 | ~.0059 | | 0259 | .0516 | 2730 | <u>*</u> :: | .2598 | .2791 | |
| | .3193 | 3006 | 4089 | 2997 | 1055 | 0068 | 0097 | 0122 | 9456 | 2522 | 9760. | -619. | ¥175. | |
| | 3543 | . 3030 | 4172 | 3133 | - 1298 | .0015 | 8,00. | 9.9990 | .0607 | 2387 | 9140. | . 1567 | .2368 | |
| . 2400 | .381 | .3020 | 4160 | 3556 | 1480 | ₹.01 | -, 0024 | 0012 | 1180. | 2550 | . 0055 | 9960 | -2119 | |
| 2710 | £3. | 3255 | 4269 | 3907 | 1722 | 024t | 0078 | 0015 | .1162 | 2487 | 0554 | . 0293 | .1592 | |
| | | S644. | 3661 | 4335 | P.60 | 0232 | 0161 | .0013 | .1436 | 2145 | 0868 | . 0026 | .1388 | |
| I.A. | .6093 | .6502 | 2381 | 3734 | 2768 | 0140 | 0361 | 004¢ | .2041 | 2029 | 0746 | .0082 | . 1052 | |
| | | . 5043 | 3246 | 2975 | 1143 | .0380 | 0481 | 0256 | .2703 | 6864 | 0672 | C#50. | . CB+3 | |
| | .4865 | . 3828 | 3900 | 2630 | 0173 | .0363 | | 0389 | .2749 | 3879 | . 0288 | • | . 1222 | |
| | +30 + | . 3609 | - 3843 | 2349 | .0305 | .018 1 | | 0526 | .2577 | 3733 | .079 | | .0781 | |
| | . 3882 | 3440 | 3895 | 2136 | . 1206 | . 0226 | 0902 | · . 0464 | . 1939 | 3875 | . 1030 | | . 1930 | |
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ð 6.9757 22.005 PTA 9.2803 VARIABLE CP T9 53/2 . HEST SETTINGER DEPENDENT **4**.000 9 **BETA** (1) SPM BOOSTER . 80: 3 SECT 10N **103**

0.5301 .9555 .9122 6.9757 0980. 9820. 9820. 9821. 9850. 1811. 580. 1811. 580. 1811. 580. 1811. 580. 780. 780. 780. 780. . 8834 -.3162 -.2916 -.3048 -. 3400 -. 2468 -. 2291 -.4267 -.4028 -.3946 -.4066 -.3181 .7653 -.4066 -.3937 -.3956 -.3665 -.3755 -.3160 .6570 S -.0812 -.0779 -.0574 -.0345 -.0345 -.0067 -.0067 -.0012 -.0091 8 ř. -.1054 -.0871 -.0662 -.0441 -.0278 -.0124 -.0072 .0090 -.0041 CO++. -.0150 -.0345 -.0637 -.0878 9.9990 - 0837 - 0738 - 0778 - 0779 - 0779 - 0890 - 0890 - 0387 - 0387 - 0380 - 3323 22.0 . 2080 . 2068 . 3068 . 3068 . 3164 . 3172 . 3304 . 3394 . 3464 -.2618 -.1667 -.1513 .1518 -.4961 9.000 - 4143 - 4194 - 4291 - 4294 - 4245 - 4315 - 4245 -.43%7 -.3889 -.2%55 -.2905 -.3629 -.3707 -.3314 .1153 -.3914 .1013 .3693 .4693 2750 2838 3185 3185 3438 514. .6017 .0722 3831 3451 5415. .2823 3798 113 1218 .1538 .2260 .1897 .2335 3987 9.33 270 1709 1709 90.000 112.500 135.000 157.500 180.000 225.500 227.500 227.500 227.500 231.500

.9122 .883 .7653 .6570 .5+8B . \$503. \$103 .3323 VARIABLE CP . 22±0 DEPENDENT . 1518 96 :: SECTION (1) SPN BOOSTER S. .0433 CH C

. 1013

.0722

25% 21.72 1.172 1. 0990 0870 1180 1180 1182 1182 1182 1182 1183 . 4062 . 4384 . 3889 . 3872 . 3872 . 3958 . 4043 -,4043 -,4013 -,4169 -,4169 -.4485 -.4465 -.4055 -.3937 -.0130 -.0578 -.0579 -.0579 -.0589 99.999 99.999 -.0530 -.0588 -.0530 -.0530 -.0530 -.0530 **.**0009.--.1192 -.0442 -.0442 -.0317 -.0123 -.0288 -.0393 -.1139 -.1277 9.8990 -.1479 -. 1479 -. 1533 -. 1350 -.0930 -.0754 -.0863 -.0898 -.0704 -.0892 -.0536 -.0536 -.0639 -.1059 -.2214 -.2959 -.3110 -.2365 . 1413 . 1642 . 1696 . 0459 . 0154 . 0600 . 1665 -. 1989 -.2779 -.2949 -.3087 -.3184 -.3186 -. 3230 -. 3029 -. 3594 - . 4945 - . 4171 - . 4358 - . 4418 - . 4418 - . 4462 - . 4463 - . 4363 - . 4363 - . 4363 - . 4363 - . 4363 - . 3028 - . 3659 - . 3659 - . 3659 3921. 3021. 30713. 30713. 30719. 3005. 3005. 400 .2233 .2323 .2093 .1931 .3243 .2619 .2219 2083 2408 2746 3361 4043 .4832 .4276 .3243 <u>.</u> 1262 . 3.68 . 3.68 . 2.5 . 5. . 1558 1.985 2.56 . 1569 ¥. 135.000 187.500 180.000 225.000 225.000 270.000 292.500 315.000 350.000 .000 22.500 45.000 67.500 8 500 8

(RB2502)

MSFC 567(1A32F) T9 53/2 53/2 G3 SRM B005TER

| HACH (4) e | 1.250 | | BETA 17 | (7) • 10 | 10.000 | • | 9.2003 | P1A | - 22.005 | 50 | *
æ | 6.9757 | 8 | • | 8.5301 |
|--------------------------|-----------|----------------|----------------|---------------------|---------|-----------------------|---------|---------|----------|-------------|----------|--------|----------|----------------|--------|
| SECTION (1)58N B0051 | 08 MSC | OSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | . 158 | .1518 | 6. | . 3323 | . 4405 | 88
3. | .6570 | .7653 | .8834 | .9122 | .9555 | |
| • | | | | | | | | | | | | | | | |
| Ē | • | 1 | | 9106 | 1067 | - 1417 | . 1866 | 1721 | .0143 | 1608 | 4250 | | ٠ | .0097 | |
| 8 | 07.1. | | 2 | 9106. | | 6191 | 2011 | - 1667 | 0156 | 1288 | 4221 | | .2279 | . 0 802 | |
| 22.500 | .1167 | 2012 | Ċ | | | 1010 | 1 | 1372 | 10131 | 1376 | - 4287 | | .2086 | . 1228 | |
| 45.00% | <u>§</u> | | Ser. | | 7.00 | 9505 | 9680 | 1287 | 0121 | 1351 | 4362 | | .2160 | .1327 | |
| 67.500 | į | | <u>.</u> | 204 | 9080 | 24.0 | 0867 | -, 0800 | 0246 | . 1277 | 4192 | | . 2733 | . 1762 | |
| 90.000 | \$ | 206 | E501. | • | 7002 | 9,0 | 2690 | 0517 | 0538 | .1103 | 4609 | 1886 | .2928 | .2133 | |
| 112.500 | | į | C 5 | | 2001 | | 0721 | 0+30 | 0667 | 7+60. | 4587 | | .3+39 | .2632. | |
| 135.000 | 549 | 19/1 | 20/10 | | | | 1020 | - 0375 | -,0691 | .0611 | 4453 | | ¥00¥. | .3420 | |
| 157.500 | 5 | .2093 | | • | | 100 | 0.44 | BG20 | 9.990 | .0695 | ++9+- | | 40S4. | 3985 | |
| 180.000 | 1598 | 90. | | • | 0440 | 2216 | 0330 | 0198 | 0235 | .0716 | 4610 | | .3310 | .3724 | |
| 202.500 | 55 E | 9386 | | • | 21.6 | | 0571 | 5.0349 | 0379 | 6660. | 4726 | | .1385 | 2915 | |
| 225.000 | Ċ | 9/0 * . | 3226 | 7070 | | 100 | 0913 | 0637 | 0428 | 1. | 4609 | | .0091 | .2396 | |
| 247.50g | | | 04.00 | | 1 1 1 | Š | 1386 | -, 1390 | 0688 | . 1883 | 2984 | | 6000. | . 08 0 | |
| 270.000 | <u> </u> | ¥. | טרים.
מינים | | 9 | • | 2066 | 1540 | 0032 | .1792 | 4433 | 1018 | .0118 | .0210 | |
| 292.500 | | | 600. | | 5000 | | 1226 - | - 1674 | 1710. | 1754 | 4242 | 0400 | . 1353 | . 1703 | |
| 315.000 | £ 100 | 2 | 7 CO. | | 727.20 | 107 | 1500 | 0666 | .0239 | 1790 | 4301 | . 0259 | . 1831 | .1037 | |
| 337.500 | 3278 | .4193 | 3 | • | . 6300 | 1003 | 1000 | | 7110 | 1508 | 1,250 | 0751 | Ī | 0097 | |
| 360.000 | 67. | 1 | 3231 | 3818 | .1067 | | - 1900 | 13/1:- | | 3 | | | | | |
| MACH (5) = | 1.460 | | ETA C | BETA (1) = -10.000 | 0.000 | • | 9.4716 | AT4 | - 22.004 | * 00 | . | 6.5271 | 8 | | 6.3637 |
| SECTION (1) SPN B005TER | 08 Ma5 CT | OSTER | | | DEPENDE | DEPENDENT VARIABLE CP | WELE CP | | | | | | | | |

5512. 1507. .9555 .8834 2715. - 2355. - 2565. - 2565. - 2566. .7653 -.2048 -.2127 .1344 .1007 .0713 .0390 .0125 .01367 .0508 .0744 .1631 .1631 .3370 .3370 .3370 .6570 .5488 . 0201 5110. 0200. 5110. 0200. - 0010. - 00108 9.9990 9.9990 0.0893 0.0899 0.0899 0.0899 .4405 0350 0868 0868 0761 .3323 .2240 7990. 79 .1518 . 1530 . - 1686 . - 1686 . - 1687 . - 1097 . - 1368 . - 1345 . - 1 .158 . 2130 . 2130 . 1978 . 1957 . 1981 . 1981 . 2152 . 2153 . 2153 -.2417 -.0443 -.1595 -.2344 -.2158 . 1013 4139 4139 4139 4139 4139 4139 4139 4139 .4232 .4232 .5018 .5018 .072? .4645 .4481 .4556 ¥897 9269 3528 3628 543 3479 3317 3209 933 .3389 .3389 3364 \$173 330 22.500 45.000 67.500 1112.500 1112.500 1135.000 1135.000 227.500 227.500 227.500 227.500 2317.500 337.500

DATE: 05 SEP 75

| | 6.3637 | | | | | | | | | | | | | | | | | | | | 6.3637 | | | | | | | | | | | | | | | | | | | |
|---------------------------------|----------------|-------------------------|----------------|------|-------|--------|---------|--------|--------|---------|----------|--|-------|----------|---------|--------|--------|--------|----------------|--------|------------|-------------------------|--------|---|----------------|---------|----------|--------|--------|---------|---------|---------------|--------|-------|-------------------|--------------------|--------|--------|------------------|--------------|
| | 6.3 | | 8558 | | 233 | 220 | | 1005 | 2000 | 9118 | 2560 | .1055 | .0581 | <u>.</u> | . 1646 |
36 | 1.60. | 6961 | 9444 | - 5015 | 6.3 | | . 9555 | | .¥208 | . ta | \$0\$\$. | 3949 | 3017 | 5875 | .2529 | . 2045 | 1319 | 711. | . 1565 | . 1662 | .0323 | , 110. | . 4208 | |
| | AS
A | | | 9300 | • | • | | • | • | • | | · | | | | | | | | . 2969 | 8 8 | | | | . 09 <i>12</i> | ٠. اعلی | | | 2004 | | | | | | | | | • | 2760 | |
| (RB2502) | r | | .9122 | | • | • | • | • | • | • | • | • | Ť | | | Ĭ | - | | | | 5 | | .9122 | | • | · | • | • | • | • | • | | į | • | • | _ | | • | • • | |
| 8 | 6.527 1 | | .883¢ | 9 | | - 1414 | 3000 | 4650 | 200 | 06190 - | -, 1013 | 0553 | 0112 | 0377 | 0565 | 0679 | .0360 | .0716 | - 010÷ | 1801 | • 6.5271 | | .883 | | 1922 | 1755 | 1016 | 0633 | 1240 | 0257 | 0021 | 96+0. | .0175 | 0264 | 0506 | 0469 | .0180 | 15.00 | UB22 | |
| | 둱 | | .7653 | | 0/0 | | 0/8: | 3013. | 5655 | 2002 | 2028 | 1835 | 1740 | 1756 | 132⁴ | 1879 | 1735 | 1699 | -, 1793 | 1875 | 륟 | | .7653 | | 2322 | 2379 | 2264 | 1.19 | 2070 | - 1837 | 1649 | 1596 | 1502 | 1662 | 1363 | 187¥ | 2120 | - 2082 | ¢13¢ | |
| 85 | ž | | .6570 | Ş | | 86.6 | £ 600. | 960 | 5550 | 200 | 0178 | .0299 | .0590 | . 1067 | .1609 | .2185 | . 2389 | . 18%7 | . 1361 | .1096 | ž | | .6570 | | .0545 | .0145 | €,00 | 0156 | 0261 | 1921 | 0123 | . 0245 | .0581 | S160. | . 1393 | . 200 9 | .2037 | . 1225 | 97.0.
67.00. | |
| SRM BOOSTER | * 22.004 | | 8 | | | .0167 | - 010:- | 5000 | £ 5 | 7910. | | | .0030 | .0136 | .0311 | .0132 | .0647 | .079÷ | .0590 | .0588 | • 22.00× | | 88 £ | | 0262 | 0197 | | _ | 0600 | | | 9 .990 | 0215 | 0162 | 01% | 040 | 0244 | 0310 | 0434
0262 | |
| | PTA | | \$044°. | | | | | 92/0. | cico. | 2210. | | | | +100 | 0173 | 1491 | 0226 | ÷010. | 8 .9990 | . 0289 | PŢĀ | | .4405 | | 0300 | • | . 0035 | • | . 0313 | | | | . 0043 | | | . 0522 | | | 0300. | |
| 3/2 53/2 | 9.4716 | 85 | .3323 | | 26. | .0928 | 340. | 6 | .0650 | .0200 | , C20. | | | | | 2046 | . 0369 | 3470. | | .0670 | 9.4716 | 65 31
31 | .3323 | | .0283 | 2000. | .0182 | .0235 | 7,00. | 2000 | .0027 | 0015 | 0141 | | 0 00 C | - 1698 | 0591 | | 0134 | |
| F) 18 S | • | VARIABL | . E 240 | 1 | 3 | . 1035 | 0275 | 0369 | 0369 | 0357 | | _ | | | | 2597 | 0577 | .0975 | .2158 | .0482 | • | VARIAB | .2240 | | | | . 0965 | 0739 | | | | | | | | | | | - 1724
- 0254 | |
| MSFC 56711A32F) T8 53/2 53/2 03 | 000 | DEPENDENT VARIABLE CP | . 1510 | | 1462 | | | | | | 011. | | | | | | • | 3269 | 186₩ | 1462 | a
000 | DEPENDENT VARIABLE CP | 9121 | | - 183 | | 1567 | | | 7.001 | | | | | . 3500 | | • | 3218 | 1968
183* . | |
| HSFC | -8.000 | | | | | | | | | | | . 6766 | | | | | . 1585 | 2346 . | 2207 | | -4.000 | | 9211 | | . 53d? | | | 2347 | | . 2865. | | | | | - 1949 | | | | 2352 - | |
| | (8) Y | | .1013 | | | | | | | | | , too. | | | | ٠ | .6038 | • | **** | | (A) | | £101. | | COAF | | | .3119 | | | 7507 | | | • | . 5572 | . 1113 | . 5985 | • | ¥04. | |
| |) BETA | 275 | .0722 | | 200 | 3672 | ster. | | .4233 | , | 7117 | 7. E. C. | 1 | 5331 | | 6969 | | .9453 | 989 | .3979 | D BETA | STER | 5570 | | ¥ 100 | 8 | 2776 | | .2732 | | 200 | 3020 | 4122 | .5208 | | .6778 | | .9523 | 14887
18484 |) :) |
| • | 1.480 | 1008 HASS | . 0433 | | | | | | 3821 | | | 1692 | | | | 3381 | | 3109 | | 298 | | 900 Hess | 123 | | 1000 | | | | . Z:30 | | 5 6 | | | | | 8962 | | | 660 | |
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} | 6 | SECTION (1)SAN BOOSTEI | | = | . 000 | 22.500 | | 67.500 | 96.000 | | | | | | 247.500 | | | | | | 6 - | SECTION (1) SAN BOOSTE | | | - | | | 67.500 | 90.00 | 112.500 | 135.000 | | | | 247.500 | | | | 337.500 | _ |
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| | | | | Æ | MSFC 567(1A32F) 19 53/2 53/2 03 | 138F) 19 | 53/2 53/ | | SAM BOOSTER | 5 | | (RBZSDZ) | 620 | | |
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| SECTION (1) SPM 80051 | | DOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
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| 315.000 | .2180 | .5629 | .4522 | | | .0156 | 1445 | 40.40. | 0749 | . 2955 | 2648 | 0190 | | 0934 | |
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|--------------------------|------------------|----------------|-------------|---------------------------------------|--|-----------------------|---|------------|---------------|--------------|------------------|---|---------|-----------------|---|
| | | | | ¥. | C 56711A | 32F) T9 | HSFC 567(1A32F) 19 53/2 53/2 03 | | SRM BOOSTER | E3 | | (48250£ | 120 | | |
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| 22.500 | . 1960 | 1960 | 2007. | 123B | 0547 | 8 | 7910. | 5040. | | 81.6 | 16.P | EC10 | 2594 | :903 | |
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| 135.000 | 860% | .2057 | .2139 | 1313 | 0814 | 0337 | 0348 | .0311 | .0270 | 7600. | - 1014 | | | 1000 | |
| 157,500 | 2064 | 1981 | 1755. | 1263 | 0729 | 0533 | 0533 | .0330 | .0312 | 3 . | - 1310 | 1661 | | 44.0 | |
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| 337.500 | . 1611 | . 2265 | Ç | /800·- | | C 6000 | | 0.000 | 1000 | 0033 | 1729 | 5545 | rers. | 3287 | |
| 360.000 | .1753 | 926 | .2310 | 0943 | UZ85 | 900. | 200. | . 0503 | 5 | } | | | | | |
| MACH (6) | • | 1.9C.3 BE | BETn (4) | • | 4.600 0 | • | 10.263 | PTA | • 27. | 27.397 | æ | 7.0840 | 1 54 | m
e | 3. P36 |
| 1312008 H92(1) H011335 | 38 mgs (1 | OSTER | | | 30v::430 | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
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| 000 | . I . | . 1902 | | 39 : | | 2,20. | | | 5 | 5020 | 1759 | C445 | .2367 | £92. | |
| 22.500 | .1467 | | 167 | PC+1 | 265. | 0 6 | 2520 | | Bisco - | 0227 | - 1786 | 5182 | 2293 | 2383 | |
| 45.000 | 194: | 1439 | 20. | 1041. | | 100 | | | 200 | 0212 | 1689 | 5003. | 3775 | . 20 8 6 | |
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| 1 32 000 | 1751. | 1051 | 2 | 060 | | 100 · | | | - 000A | 0012 | - 128 | 0.01. | 35.25 | 2 | |
| 157.530 | . 1413 | 20. | 200 | | | | | | 0666 | .0003 | 1336 | S-70. | 1.57 | 2326 | |
| 180.000 | - E | 5 6 | פיטיי. | 6031 | | 5811 | • | | 0016 | .0085 | - 1281 | 8 €. | . :239 | 93 (8) | |
| 202.500 | 2 | 8 /81. | 2000 | | | O TEL | 200 | | -,0030 | . 022B | 1353 | 0330 | . 2502 | £ | |
| 225.000 | 20 | 6350 | 8 6 | 6/10:- | | 5016 - | 0539 | | 6,00 | 1750. | 0912 | - 32 33 | .0191 | ST21. | |
| 7.50 | • | 2 | | משוח. | | 200 | • | | 0193 | 5410. | 009: | 0177 | 8 | £ | |
| 273.000 | . 1867 | Č. | 25.5 | 1 | | 1533 | | | 0109 | - 039 | . 1683 | U-00 | . 2532 | 98.55° | |
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| 315.000 | 5 | £ 1 | con . | C. C. | | 150 | • | a | 6420 | 7100. | 1879 | - C++B | ¥. | X | |
| 337.500 | \$: | 5 5 | 1 de 1 | | | 5000 | • | | 10243 | 0039 | 1789 | 0388 | 237. | 2362 | |
| 360.000 | | 206 | Š. | -: | | 1 | | } | ;
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OFFICER QUALITY

| | | | | F | C 56711A | 327) 79 | MSFC 567(1A32F) T9 53/2 53/2 03 | | SPH BOOSTER | TER
TER | | 2352869 | <u>رچ</u> | | |
|---|------------------------|----------------|-----------|---|----------------|-----------------------|---------------------------------|--|--|------------|--|---|--|---|-------|
| MACH (6) | | 1.960 8 | BETA : | 3 - 8 | 8.000 0 | • | 10.263 | PTA | • 27. | 27.997 | ŭ! | ¥.5 | ¥. | * | 3.83 |
| SECTION (| SECTION (1) SPM BOOST | OSTER | | | 30N3W30 | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | 2 | . 1510 | .2240 | .3323 | .4403 | 86.
86. | .6570 | .7653 | . | .9122 | 9655 | |
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| .000 | . 1653 | <u>.</u> | Ķ | ₹
= : | 0£71 | 0807 | 1333 | 0317 | . 98
88 | - 025 | 6:81. | X | . XX | 8 | |
| 22.500 | 元. | <u> </u> | | 1483 | - 1085 | .0133 | | -, 0453 | C+80 | 0378 | 2/91. | | Ç. | 10 C | |
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| 90.00 | .00 | 9883 | 8 | Ē | 102 | 0316 | 0139 | 015 | 0033 | 0132 | . 1837 | 9 | | | |
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| 135.000 | 339 | 3486 | 3459 | €+30· | | .0399 | .0316 | | 0100 | | | | | 45.15 | |
| 187.530 | Cath. | .3195 | .99€
• | 4460. | | 60+0. | .6107 | | - COT | | | | | 112 | |
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DATE 03 SEP 75

MSFC 56711A32F) 19 53/2 53/2 03 SRH BOOSTER

| | | | | £ | C 567(1) | 32F) T9 | MSFC 56711A32F) T9 53/2 53/2 03 | | SRM BOOSTER | 8 3 | | (RB2502) | 150 | | |
|------------------------|------------|--------|------------------|-----------|----------------|-----------------------|---------------------------------|---------|-------------|------------|--------------|----------|--------------|------------------|---------|
| MACH (7) - | 2.900 | BETA | TA (2) | • | 0 000·† | • | 5.1838 | PTA | о́к
• | 30.020 | 쉳 | . 4.1200 | PSA | • | .82560 |
| SECTION (1) SPH BOOST | 38H B005 | STER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | . 25.93 | .0722 | .1013 | | 1518 | .2240 | .3323 | .4405 | .5488 | .6570 | .7653 | . 8834 | .9122 | .9555 | |
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| 000 | . 2700 | . 2323 | 1205. | 0309 | .0023 | .01 | .0230 | .0364 | .0327 | . 0208 | 1.0456 | 50CD. | +65. | , <u>r</u> | |
| 22.500 | | .2539 | .2385 | 0186 | 0067 | .0003 | .0003 | ₹600. | .0167 | .0145 | 0435 | 9069 | 14360 | יניםנים. | |
| 45.000 | | TSTS. | .26 9 | 0166 | 0133 | ₩900. | . 0056 | .0369 | .0190 | 9610. | 0588 | £670. | נצור
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| 67.500 | | | .2930 | 0009 | 6 200'- | .009 | .0117 | .0334 | .0214 | .0181 | 0770 | ACED. | ncas. | 0/22 | |
| 90.000 | .2796 | 2875 | .2852 | .0019 | 0051 | .0079 | .0131 | .0198 | .0153 | .0093 | -,0797 | . 0265 | | 5565 | |
| 112.500 | | | . e778 | 0002 | 0077 | 0600. | .0097 | .0082 | 0025 | 9100. | 0759 | .0313 | 2051 · | 66/53 | |
| 135.000 | . 2694 | 259 | .2614 | 008+ | 0140 | .0079 | .0030 | 0111 | 0129 | 0051 | 0826 | .020. | :981. | . 23.
23. | |
| 157.500 | | .2502 | .2360 | 0200 | 0073 | .0079 | 0092 | 0241 | 1.0144 | 0092 | 0666 | .0056 | .1607 | 2010 | |
| 180.000 | | .2151 | . 1898 | 0390 | +900. | .0097 | 0401 | 0222 | 9.9990 | 0002 | 0800 | 0178 | - ! | . 1402 | |
| 202.500 | | . 1793 | 1899 | 0166 | 0163 | 0260 | 05#7 | 0181 | 0070 | 0081 | 0659 | 0036 | .0709 | . C986 | |
| 225.000 | | 1689 | .2181 | .0313 | .0168 | 0793 | 0480 | 0349 | 0263 | .0052 | 0915 | 6400 | .0731 | 130 | |
| 247.500 | | | .3013 | COTS. | .0217 | 0972 | 0509 | 0345 | 0219 | . 0280 | 0887 | .0047 | . CE99 | . 1120 | |
| 000 02 | 2691 | 2040 | .7762 | .4938 | .0636 | 0993 | 0555 | 0313 | 0291 | .0219 | 0856 | 0096 | .872. | 101. | |
| 20.000 | | ! | 3639 | 3106 | 0440 | 0998 | E+00 | ***0. | 1,000. | .0384 | 0711 | 0122 | .0545 | . 0727 | |
| מנים שיג | 01100 | 595 | BEEC | 0504 | 0.358 | 0819 | .0041 | .0518 | .0176 | .0354 | 0600 | 0212 | . 1843 | 3402 | |
| 313.050 | 91.16 | 200 | 0100 | 6400 | 900 | 1216 | 1640 | 9.9990 | 6420 | .0222 | 0588 | 8000. | .1972 | ::570 | |
| 337.500 | פני | 5001. | 2040 | 9000- | 500 | 0118 | | .0364 | .0327 | .0208 | 0466 | .0502 | .3541 | 5472. | |
| 3.7. 000 | | | | 2 | | | | | | | | | | | |
| MACH (7) | 2.990 | | BETA (3) | • | 0 000 | • | 5.1898 | PTA | æ
* | 30.020 | 륟 | • 4.1200 | PSA | • | . 82960 |
| SECTION (1) SPH BOOST |) SAH BOO! | STER | | | DEPENDE | DEPENDENT VAR!ABLE CP | BLE CP | | | | | | | | |
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| 55.500 | | . 1793 | . 1679 |
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| 90.000 | <u>\$</u> | 5 | 268 | 0350 | 0000 | | | . 0.55 | 0.0 | 6410 | 0778 | 57.20 | 1562 | . 1955 | |
| 16.50 | 270 | 100 | יומני | 1020 | 1.01.0r | - 0227 | | -, 0224 | 0168 | 0093 | 0837 | .0249 | . 1452 | .1664 | |
| 133.700 | | | | 2170 | 0445 | - 0373 | - 0402 | - 0265 | 0142 | 0045 | 0749 | .0107 | . 1385 | . 1691 | |
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| | | 00*1 | 11977 | .0163 | 8410. | 0842 | | 0481 | 0224 | .0018 | 0823 | 0047 | .0527 | .0575 | |
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! | . 2320 | .2640 | .0211 | 1009 | 0671 | 0493 | 0216 | .0085 | 0838 | 0123 | .0353 | <u>.</u> | |
| 270.000 | . 1422 | .1876 | 6290 | 3903 | .061¥ | 1036 | | 0563 | 0250 | 0026 | 0756 | 0156 | .030⁴ | . 0569 | |
| 292.500 | | | . P. 69. | .2871 | S. | 1047 | | 0086 | .0085 | .0155 | 0763 | 0166 | . 0854 | 0420 | |
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.9555 8 .0130 .0999 .0705 .0158 .0157 .0157 .0407 0630 0530 0444 0080 0080 0080 0080 0080 0080 0080 0080 0080 .1137 .1260 .1316 .1313 0705 . 1533 (R82502 4.1200 -.0017 .0320 .0310 -.0189 -.0435 -.0304 -.0237 -.0226 -.0040 -.0050 .0098 .0000 .0000 . 8834 0339 -.0354 -.0320 -.0315 -.0185 -.0256 -.0006 - 0039 -.0194 -.0145 -.0393 .8834 -.0457 -.0040 -.0703 -.0823 -.0797 -.0808 -.0752 -.0852 -.0812 -.0767 -.0838 -.0707 -.0733 -.0800 -.0725 -.0726 .7653 -.0748 -.0790 ..0800 -.0737 .. 0864 -.0707 -.0279 -.0219 -.0235 -.0048 -.0000 -.0009 -.0055 -.0050 -.0050 -.0506 -.0524 -.0539 -.0349 -.0166 -.0093 -.0155 -.0138 -.0280 -.0364 -.0248 -.0138 .6570 .6570 .0278 -.0253 .0051 050 SRM BOOSTER 30 - 0375 - 0375 - 0375 - 0375 - 0305 - 0205 - 0089 - 0089 - 00032 - 0006 - 0006 .0204 .0219 .0023 .0275 .5488 -.0569 -.0707 -.0703 -.0450 -.0118 -.0030 -.0125 9.9990 -.0231 -.0242 .¥88 -.0312 -.0111 -.0408 -.0272 -.0495 -.0272 -.0201 -.0174 -.0174 -.0230 -.0413 -.0241 -.0052 -.0092 -.0636 -.0216 -.0037 .0215 9.9990 -.0457 £105 -.0487 -.0472 -.0346 1,103 -.0457 -.0186 -.0122 -.0205 -.0394 9.9990 MSFC 567(1A32F) T9 53/2 53/2 03 . 0696 . 0427 . 0420 . 0420 . 0510 . 0510 . 0317 . 0309 . 0465 -.0316 -.0509 -.0535 -.0416 -.0599 -.0390 .0215 .0086 .0086 .3323 .0304 .0086 -.0226 -.0289 -.0278 -.0201 -.0405 5.1898 .3323 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .2240 . 0465 . 0465 . 0543 . 0554 . 0556 . 0566 . 0566 . 0566 . 0566 . 0566 . 0566 . 0566 . 0566 . 0566 . 0566 . -,0405 -,0390 -,0387 -.0384 -.0390 -.0480 -.0289 -.0815 -.0975 -.0530 .0015 -.0278 . 2240 -.0461 .1518 - 0436 - 0436 - 0436 - 0539 - 0539 - 0539 - 0539 - 0159 .0345 -.0071 -.0148 -.0256 .1518 -.0688 -.071! -.0714 -.0767 -.0748 -.0291 -.0479 .0116 .0500 -.0144 -.0406 -.0365 -.0454 .0081 000 4.000 - 0405 - 0465 - 0465 - 0547 - 0533 - 0551 - 0565 - 0502 - 0508 - 0199 - .0714 - .0555 - .0558 - .0536 - .0536 . .0548 . .0826 - .0369 .1715 1966 .0059 -.0189 -.0450 -.0498 -.0550 -.0681 BETA (4) 6 . 1013 .1383 .1465 .1715 .1678 .1670 .3229 .1013 . 1262 .1305 185 . O722 2.585 2.45 2.456 .1306 .1338 . 1544 . 1544 . 1887 .2133 .1831 .1585 . 0722 . 1711 . 1201 . 0940 . 1515 . 1898 . 2167 9260 .1070 7570. E SECTION (1) SRM BOOSTER SECTION (1) SAM BOOSTE! . 9433 P+33 .1515 .1760 .1783 1723 1537 1432 . 1529 1478 1767 2238 2640 2193 1581 1288 1.290 1.451 171 . 283 1581 1134 0884 0746 E MACH (7) MACH (7) 95.000 116.500 135.000 157.500 160.000 225.000 247.500 292.500 112.500 135.000 157.500 180.000 225.000 227.500 277.500 2315.000 337.500 .000 22.500 45.000 67.500 22.500 45.000 67.500 90.000 337.500 315.000 360.000

| | (RB2502) | |
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| (1A32F) | SAM BOOSTER | 1 |
| TABULATED SOURCE DATA, MSFC THT 567 (1A32F) | MSFC 567(1A3EF) TO 53/2 53/2 03 SAM BOOSTER | |
| RABULATED SOURCE D | HSFC 567(1A32F) | |
| | | |
| DATE OS SEP 75 | | |

| | | | | E | SEC 26711A3C | | 3/50 3/51 | 3 | | į | | 1 | ! | | |
|-----------------------|-----------|--------|------------|------------------|--------------|-----------------------|-----------|--|-----------|---------------------|--------|---------------------|-----------|--|--------|
| MACH (B) | 3.500 | | BETA (1) | • | -8.000 0 | • | 5.7192 | ATA | - 50.033 | 033 | E | 5.3300 | 8. | • | .67500 |
| SECTION (1)599 B0051 | DS MAS CO | OSTER | | _ | DEPENDEN | DEPENDENT VARIABLE CP | LE CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 |
86 | 1518 | .2240 | .3323 | . 4405 | 2. | .6570 | .7653 | 883 | .9122 | .9555 | |
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אין אין | 5 m | | 999 | .0263 | .0300 | 95.40 | 21.5 | .0314 | .0554 | ,080° | 0429 | .1156 | *17. | .5355 | |
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| 90.09 | 7 | 3939 | 3959 | .0588 | .0466 | .0483 | .0500 | .0442 | 6040. | .0395 | 0628 | 6 1 90 . | 342 | 2007 | |
| 100.00 | } | | 3868 | .0551 | 9140. | .0469 | .0476 | .0402 | . 0280 | . 0267 | 057¥ | . 0385 | 362 | .3557 | |
| 35 000 | 1991 | 3613 | 3566 | 97,0 | .0294 | .0433 | .0382 | . 0230 | 1600. | 6410 | 0601 | 57.10. | <u>ئۇ</u> | .3127 | |
| 157,500 | 3580 | 4000 | 314 | . 0253 | 02.0 | .0469 | . 0246 | 0033 | .0030 | .0169 | 034¢ | 0071 | . 225B | e c | |
| 160.000 | 3238 | .2838 | .2463 | 0050 | .0359 | .0440 | 0073 | 0165 | 9.9990 | . 027¥ | 0408 | 03!4
0000 | 1811. | ā 6 | |
| 202.500 | 3106 | .2331 | . 2263 | .0081 | .0271 | .0162 | 0320 | .0027 | .0308 | 92.5 | B 5 | 000- | taca. | ָּהְלָהְיִהְ
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| 270.000 | 229. | 2145 | . 8065 | .5680 | . 1005 | 0665 | 0263 | 62
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14 | .0102 | .0311 | 0703 | 0104 | . CE34 | 100 | |
| 292,530 | | | 1004 | .3518 | .0792 | 0672 | 0080 | .0880 | . 0907 | .0592 | 0462 | 0097 | .1163 | ğ ; | |
| 415,000 | 2700 | .2070 | ž. | .0788 | .0785 | 0571 | .0017 | .0798 | . 1052 | .0643 | 0378 | 0053 | .3559 | 5 | |
| 227 500 | 2163 | 2378 | 2365 | .0176 | .0379 | .0169 | 0178 | 9.9990 | . 1123 | . 0687 | 0381 | . 0875 | .3897 | . 3578 | |
| 350 070 | 3517 | 3030 | 263 | . 0029 | .0374 | .0540 | .0033 | .0580 | . 0867 | .0729 | 0263 | . 1308 | ξ. | 172 | |
| 6 | 3.500 | | BETA (2) | • | ٠٠ 000 م | • | 5.7192 | PTA | • 20 | 50.033 | d | 5.3300 | PSA | • | .67500 |
| SECTION (1)588 B0051 | 08 #850 | OSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| V | 114.77 | 6270 | E101 | 1158 | . 1518 | . 2240 | .3323 | 3044. | .5488 | .6570 | . 7653 | .8834 | .9122 | .9555 | |
| ¥/ [3 | | | | | | | | | | | | | | | |
| Ē | | | | | | 1 | | | f | 9000 | 9910 | ORES | 205 | 2799 | |
| 000 | .2863 | ž. | .2140 | 038 | . 0. 48 | 9.
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| 45.000 | .253 | .2813 | 8 | 1900. | 0000 | 000 | 9 | 5960 | | 200 | 690 | .0355 | .3170 | 3786 | |
| 67.500 | 9 | | 565 | B (C) | , and | 9 5 | 0205 | 0206 | .0202 | .0162 | 0612 | .0257 | .2062 | .3151 | |
| 96.000 | | | 2007 | 0179 | 4500 | 0158 | 57.10. | .0108 | .0050 | .0077 | 0557 | . 0250 | 7171. | 5152 | |
| 35 000 | 8 | 2.95 | 5661 | 010 | 0013 | .0185 | .0121 | 0020 | 0033 | 0023 | 060- | . 0205 | 3171. | .2317 | |
| 157.580 | 23/2 | 8 | E. | 0010 | .0003 | .0155 | 0010 | 0131 | 008⁴ | 0057 | 0473 | 0016 | 1504 | . 2035 | |
| 190.000 | 889 | 2309 | 2002 | 0206 | .0175 | .0128 | 0233 | 0169 | 9.9990 | .0030 | 0537 | 0202 | .0977 | - 355 | |
| 202.500 | 80 | . 1905 | . 1800 | 0151 | 9600. | 0046 | 0445 | 0131 | .0061 | 0073 | 0476 | 0003 | 87CD. | 6. S | |
| 225.000 | . 2333 | | 2023 | .0273 | 6440 | -, 0588 | 0418 | 0226 | 0196 | . 00 1 0 | 0632 | . 0023 | .0595 | 50 | |
| 247.500 | | | 01.73. | <u>s</u> ±5. | .0508 | 0719 | - 0439 | 02¥9 | 0178 | .0200 | 0686 | .0013 | +cco. | ر
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| 270.000 | 581 | . 1683 | 3 | .4615 | .0892 | 0730 | 0507 | 0145 | 0209 | .0105 | 0679 | 0037 | 97. | 999 | |
| 292.500 | | | 682 | .2782 | 9690. | 0726 | 0003 | .0497 | . 0267 | . 02+3 | 0608 | 0067 | - 65 J | . 0553 | |
| 315.000 | 23. | . 1665 | .2162 | .0345 | .0636 | 0643 | .0166 | \$
\$ | .0305 | . 0203 | 0537 | 0169 | 505. | C 10. | |
| 337.500 | 2691 | 1971 | 1910 | 0060 | .0179 | .0003 | .0428 | 9.9990 | . 03t | . 0202
2020 | 0608 | .0179 | . 225. | 50.7 | |
| 360.000 | .2863 | 28. | 2140 | 0138 | .0148 | .0152 | .0077 | .042 | . 03+B | . 0280 | 0426 | . 06 52 | 382 | 55/2 | |
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| | | | | Æ | C 567(1A) | 32F.) T9 | HSFC 567(1A32F) T9 53/2 53/2 | 8 | SAM BOOSTER | 5 | | (RB2502) | ĝ | | |
|--------------------------|-------------------|---------------|-----------|---------------|-----------|--------------------|------------------------------|---------|------------------|-----------------|-----------|---|---------------|----------|--------|
| MACH (B) | 3.500 | | (ETA (3) | • | 900. | • | 5.7192 | PTA | 8 | 50.033 | zi. | 5.3300 | 8 | • | .67500 |
| SECTION (1) SPH BOOSTER | 1) SPM BOC | STER | | | DEPENDENT | NT VARIABLE | BLE CP | | | | | • | | | |
| X/LS | .0433 | .0722 | .1013 |
 | .1518 | .2240 | .3323 | .4405 | 8 | .6570 | .7653 | .883¥ | 2216. | .9555 | |
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| 000 | .e. | . 1863 | . 1609 | 02 0 £ | 0037 | 010- | . 020 | - 000 | .0003 | .0027 | - O449 | 0070 | B** 1. | 36 | |
| 22.500 | .2067 | . 1935 | 1810 | 0158 | 0023 | 0010 | 100 | 0033 | 0117 | 0012 | CD CO | 0
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| 67.500 | | | 6 | 0117 |
66.6. | * CO. | /600 · | * 600 | | 200. | 9050 - | 5 6 | 9 | 2207 | |
| 90.000 | 1878 | 206 | B/81. | 1 10 10 | 30.1 | . CAND | B 10. | 9110 | 0118 | 0128 | 0598 | 04.40 | . 1237 | .1659 | |
| 112.500 | 600 | 9 | 0.00 | . 0158 | -, 0240 | 0010 | 0189 | 0162 | 0121 | 00 9 | 0639 | .0199 | .1257 | . 1552 | |
| 157.500 | 202 | 0161 | . 1812 | - 090 | 0206 | 0149 | 0311 | 0229 | 0142 | 0057 | 0557 | .0030 | . 133 | .1426 | |
| 180.000 | 25.0 | 1900 | . 1612 | 0321 | .0030 | 0030 | F.043 | 0216 | 9.9990 | ₩900. | 0518 | ±600·− | . 101. | .1291 | |
| 202.500 | .2207 | 1606 | 1501 | 0240 | 0114 | 0223 | 0510 | 0240 | 0091 | 0033 | 0513 | 0037 | 9260 | .1169 | |
| 225.000 | .2028 | .1376 | .1768 | .0151 | .0270 | 0679 | 0463 | 0388 | 0229 | .0037 | 0508 | 0013 | .0595 | .0659 | |
| 247.500 | | | 2935 | . 1802 | .0469 | ₹60 | 0541 | 0398 | 0,00 | = :
= : | 0565 | 0104 | 1 | 51/0. | |
| 270.000 | . 1660 | .1656 | .3429 | まあす。 | 9690. | 0814 | 0530 | 0375 | 0270 | 00100 | 0588 |
82.53 | | .0331 | |
| 292.500 | | | 256 | .2197 | .0683 | 0911 | 0 | .0087 | 0003 | .0229 | 0581 | 0125 | • | | |
| 2.5.000 | .:957 | . 1305 | 1998 | .0351 | .0547 | 0713 | .007¥ | ¥200. | =
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| 337.500 | .2231 | .1555 | . 1612 | 0098 | .0037 | .023 | .0267 | 9.9990 | =
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= | .0162 | 0584 | 0152 | 2 | 95.00. | |
| 360.000 | .219 4 | . 1863 | . 1609 | 0284 | 0037 | 0104 | . 0209 | ₹600°- | .0003 | . 0027 | 9449 | 0070 | Dir. | . i i 3∪ | |
| MACH (B) | 3.500 | | 6ETA (4) | | 4.000 o | • | 5.7192 | PTA | • 50 | 50.033 | æ | 5.3300 | \$\$ | • | .67500 |
| | 1 | | | | | | | | | | | | | | |
| SECTION (1)5"M BOOSTER | 1357H BO | DSTER | | | DEPENDE | DEPENDENT VARIABLE | BLE CP | | | | | | | | |
| X/LS | .0433 | . O722 | .1013 | . 158 | .1518 | . 2240 | .3323 | .4405 | .5488 | .6570 | . 7653 | .883¥ | .9122 | 9556 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | 1981 | .1578 | .1756 | 5,0175 | 0117 | 0185 | -089° | 0310 | 011¢ | 0239 | 0483 | 029₹ | .0706 | 李65. | |
| 22.500 | . 1597 | . 1520
052 | . 1502 | 0212 | 0218 | 0222 | - 0000 | 0310 | 02:9 | 0263 | 0392 | 0016 | 5893 | 0050 | |
| 43.000 | 08 ¥1 . | 9
₹ | <u>.</u> | 0223 | 0338 | 0263 | . 0216 | ## MO | 0273 | 8030 | | | . 500.
80% | 1.088 | |
| 000.70 | 4 | 140 | | 0000 | -, 0378 | 0880 | 98 | - 0162 | - 0823 | 600 | 0571 | .0229 | 6911. | . 1230 | |
| 10.00 | | | 2 | 0331 | 0388 | 0277 | 0809 | 0196 | 0172 | 0027 | C549 | .0267 | 1011. | . 1215 | |
| 135.000 | . 1303 | 1282 | .1319 | 0344 | 0395 | 0283 | 0273 | 0178 | 0070 | .0034 | 0622 | . 0206 | . 1359 | 1271 | |
| 157.500 | .1497 | 1426 | 1396 | 0348 | 0395 | 0351 | 0398 | -, 0202 | 0027 | .0047 | 0534 | 0013 | - 129± | M 5 5 | |
| 180.000 | .1786 | <u> </u> | 1.7 | 0307 | 0043 | 0128 | 0486 | 0253 | 9.9990 | .008 | 0547 | 0145 | . 0882 | 9,01 | |
| 202.200 | 5181 | 1626 | 1571. | 0226 | 0175 | 0371 | 0378 | 0253 | 0067 | £000. | 036B | 0150 | 05/0. | B (C) | |
| 225.000 | . 1721 | . 257 | . 1660 | 0209 | 0327 | 8090 | 1.0341 | B550 | | | 0030 | , sep. | 9 9 | מנים כ | |
| 247.500 | (| | 6 t | . 1065 | 57.10. | 0559 | 2.5 | USC4 | , 50 c | 900. | 0000 | C 10 1 | 5010 | | |
| 270.000 | \$ 5 . | .2147 | 4 | Ç. | 5 | 0763 | C | CO | 0000. | 2000 | 1000 | 1010 | | מנים: | |
| 292.500 | CUCI | ě | 322 | 1308 | 9650. | 0730 | . 0419
CACO | * CO | 0246 | 0.00 | 0.030 | 0225 | .0267 | \$500. | |
| 313.000 | 90 | 1001 | 2065 | | 200 | 0162 | 0458 | 0666.6 | 10. | .0027 | 1.00 | 0223 | 10±0° | .0:61 | |
| 360.000 | 1981 | 1678 | .1756 | 0175 | 0117 | 0185 | .0254 | 0310 | 0114 | 0239 | 0483 | ₹820 | .0706 | 74G0. | |

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| NSFC 567(1A32F) T9 53/2 53/2 | 8.000 G | DEPENDENT VARIABLE CP | . 1518 | 0304
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| | BETA (5) | | . 1013 | |
| | | OSTER | .0722 | . 1702
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| ! | 3.500 | DS HBS C | .0433 | .0897
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| | MACH (B) = | SECTION (1) SAN BOOST | X/LS | PH1
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17.270 - 17.270 90.000 .000 .500 .0430 .0567 .0860 .1112 .1118 .1187 .1919 .2013 .1867 .1863 .1863 .1303 .1303 .1303 .1303 .1303 CONF 10 RUCCER ORBINC ð .2086 .1189 .2118 .2530 .3114 .3564 .3988 .3726 .2939 .2100 .1261 .0919 .1087 .9122 .9122 PARAMETRIC DATA 4.9867 £.9867 2313 2675 2720 2720 2460 1815 00910 .883 .1280 .1289 .1289 .1289 .1289 .1689 .1689 .2287 .2298 .2298 .2298 .2298 .2298 .2298 .2298 .2298 .2298 .2298 .2298 .2298 .2299 .8834 .1393 .1590 .1714 .2001 . -.3411 -.3960 -.1854 . 7653 -.3010 -.2966 -.2938 -.2913 -.2868 -.2868 -.2940 -.2994 -.3364 -.3239 -.3879 -.3105 .7653 -.4363 -.2930 -.2889 -.2831 -.3011 -.3042 -.3155 -.2930 -. 1062 ALPHA OELTAZ X æ .0520 .0520 .0520 .0520 .0308 .033 .053 .0633 .053 .053 . 1132 . 0983 . 0983 . 0792 . 0600 . 0657 . 0657 . 0657 . 0657 . 0657 . 0657 . 0657 . 0657 . 0657 . 0657 . 0657 . 0657 . 0657 . 0658 . .6570 22.007 * 22.007 SAM BOOSTER .0368 .0306 .0176 .0176 .0176 .0176 .0176 .0176 .0369 .0369 .0369 5468 .5±88 -.0081 .0017 .0045 .0196 .0205 .0268 .0277 .0294 .9390 £03¥. . 503* .0158 PTA -.0154 .0205 -.0091 HSFC 567(1A32F) 19 53/2 53/2 03 .3323 -.0136 -.0252 -.0342 -.0361 -.0279 -.0127 -.0035 .3323 .0069 .0070 .0007 4.3330 -.0100 -.0135 -.0136 4.3330 .0061 -.0171 -.0138 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .2240 -.0476 -.0326 -.0225 -.0351 -.0557 -.1205 -.3420 -.2891 -.0355 -.0623 -.0607 -.0577 -.0735 -.0606 -.0502 -.0414 -.0747 -.0747 -.0747 .2240 ~.0235 -.0118 -.0476 -.0551 -. 1335 -.0747 -.0117 -.0118 -.1033 -.0932 -.0810 -.0808 -.0867 -.0802 -.0324 .0456 . 1510 -. 1003 Z Z Z -.0961 -.1056 -.1149 -.1109 1518 900 8.5490 .8720 ₹.000 -.7917 -.7388 -.5238 -.7558 -.7547 -.8249 -.8028 -.8017 -.7857 -.750 -.7750 -.7953 -.7566 -1.2345 -1.0699 -.8515 -.7765 -.6236 -.6064 -.6064 -.8564 -.8253 -.8016 900 <u>=</u> -.7576 -. 7694 . BETA (1) ECTA (2) -.1614 -.1473 -.0918 6+0+ . 1013 -.2553 -. 1629 -. 1562 -. 3922 .1013 -.3316 -.3300 -.3249 -.3132 -.3000 -.2685 -.1993 -.1627 -.1408 -.1291 -.0677 -. 0936 -.2783 -.1522 -.2310 -.2191 - 188 REFERENCE DATA -.0431 -.0369 -.0379 .1764 .1764 .2126 .1942 .0722 . 1513 . 1969 . 2381 .0722 -.0351 -.0243 -.0027 -.0287 -.0405 -.0140 . 1058 2019 6.1860 SO.IN. 5.3130 IN. 5.3130 IN. .0672 1524 SECTION (1) SAN BOOSTER SECTION (1) SPM BOOSTER 909 .600 .0383 .0754 .0691 . 1825 . 2249 . 2825 . 3183 . 3286 . **2***33 .0433 25.55 26.65 28.65 28.65 1.28.53 .2356 8 8 8 85 9529 .0792 5480 3068 .2493 .1587 MACH C 13 MACH : 13 90.000 112.500 135.000 157.500 160.000 202.500 225.000 270.000 135.000 1167.500 1169.000 202.500 265.000 287.500 270.000 282.500 315.000 360.000 67.500 90.000 112.500 22.500 45.000 용 45.000 67.500 SCALE SPEF X/LS

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NSFC 567(1A32F) 19 53/2 53/2 03 SPM BOOSTER

| HACH C 13 | | 9 009 | BETA (2) | •
a | 98 | | | | | | | | | | |
|--------------------------------------|----------------|----------------------|------------------------------|-------------------------|------------------------------|-----------------------|------------------------------|----------------------------------|----------------------------------|----------------------------|------------------------------|----------------------------------|--------------------------------------|------------------------|--------|
| SECTION (1) SPM B005T | - 188G - 3 | BOOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | . G433 | .0722 | . 1013 | .: 58 | .1518 | .2240 | .3323 | \$0\$¥. | .5488 | .6570 | .7653 | .883¢ | .9122 | .9555 | |
| PHI
292.500
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337.500 | 460.
9760. | 0229
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0334 | .0071
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. 1923
. 2026 | .0755
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.0044 | |
| MACH (1) | • | .600 | BETA (? | 3 | 4.000 | • | 4.3330 | PTA | • | 22.007 | ٠
و | 4.9867 | PSA | • | 17.270 |
| SECTION (1) SPM BOOSTER | HASCI I | 300STER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | .1158 | .1518 | .2240 | .3323 | . 4¢03 | .5488 | .6570 | 7553 | .8834 | .9122 | 922 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | .0295 | 0603 | 3375 | 8845 | 1323 | 0423 | 0522 | 0199 | . 0223 | 940. | 3015 | *!!! | . 1600 | 5410. | |
| 22.500
FF 500 | .0325 | 0553 | - 3499
- 3460 | 70%- | - 1242 | 0816 | 0490 | 0191 | .0162 | 9040. | 3048 | 1289 | .2001 | .0590 | |
| 67.500 | | | 3361 | 7755 | 151 | 0684 | 0522 | 0378 | 0127 | .0214 | 3132 | . 1420 | 1510 | . 0079 | |
| 90.000 | .0374 | v567 | 3303 | 7951 | 13k7 | 0809 | -,0665 | 0486 | 0199 | .0186 | 3173 | . 1455 | .1581 | .0215 | |
| 112.500 | | • | 3156 | 7861 | 1561 | 0978 | -· 080B | 066₩ | 0413 | .0249 | 2989 | . 1587 | . 1955 | .0519 | |
| 135.030 | 1060 | 1.00· | . 28 1 9 | 7397 | 1636 | 1052 | 0872 | 0836 | 0584 | 0276 | 3015 | . 1888 | .24B2 | . 0997 | |
| 157.500 | . 1833
2585 | 22.0. | 2260 | 8029 | 1534 | 0826 | 0674 | 0576 | 0450 | 0253 | - 3060 | .2266 | 3199 | 1734 | |
| 202.500 | .3157 | 2005 | - 1350 | - 7909 | 0882 | 0567 | 0163 | .0025 | 5410. | .0367 | 3708 | 10 m | 10.5 | 3372 | |
| 225.000 | .3582 | .2625 | 0992 | 7227 | 0387 | 0694 | 0018 | .0135 | . 0252 | .0595 | 4679 | .1309 | . 2935 | 5 | |
| 247.500 | | | 0+86 | 7055 | 1 0.5 | 1656 | 0172 | 0037 | . 0223 | . 0952 | 2607 | .0350 | . 1279 | . 2289 | |
| 270.000 | 2855 | .2297 | 0829 | -1.1912 | 0000 | 3811 | 0559 | 0225 | 5.02
5.40 | E+11. | 1102 | 6810 | .0903 | . D 261 | |
| 292.500 | 100 | 2500 | 96/5 | -1.1278 | . 1323 | - 4058 | 0630 | 0162 | .03£6 | • 085¢ | 2466 | .0333 | . 1092
 | 9610. | |
| 313.000 | 0.57 | 6120 - | 2777 | CEOG - | 1400 | 606 | 9000 | 5 10.0
0000 | 8180 | 5000. | ביינה - | 25.0 | | 5000 | |
| 360.000 | .0295 | 0603 | 3375 | 8845 | 1323 | 0423 | 0522 | 0199 | .0223 | .048 | 3015 | . 1114 | 1600 | .0142 | |
| MACH (2) | • | .900 | BETA (1) | | ٠٠ 000 0 | • | 7.3630 | PTA | - 22.008 | 800 | •
æ | 6.2709 | PSA | • | 13.033 |
| SECTION (1) SAM BOOSTER | B 1855 C | DOSTER | | | DEPENDEN | DEPENDENT VARIABLE | ALE CP | | | | | | | | |
| X/LS | .0433 | .0722 | .1013 | . 1158 | .1518 | .2240 | . 3. £3 | .4405 | .5488 | .6570 | .7653 | ¥.98. | .9122 | . 9555 | |
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| 000 | .1729 | . 0922 | 0801 | 9782 | 267¥ | 0163 | 055₹ | .0331 | 9601. | 968 | 3838 | 0 *0 · | . 1758 | . 0702 | |
| 22.500 | 1716 | . 1030 | 0671 | 9773 | 2356 | 0406 | 0634 | . 0205 | . 1003 | .1706 | 3757 | . 121. | . 1658 | .0986 | |
| ¥5.000 | 1808 | .1117 | | 9735 | 2057 | 0353 | 06+3 | 0100. | . 0838 | . 1644 | 3740 | . I 34B | .1795 | .1037 | |
| 67.500 | | | | -1.0090 | 1272 | 0380 | 0575 | 0063 | .0654 | . 150¥ | 3561 | . 1548 | .2359 | . 1716 | |
| 90.000 | 10. | 1308 | | -1.0310 | 1076 | 0369 | 0432 | 0016 | . 05¥2 | | 3313 | . 1927 | 3102 | .2317 | |
| 112.500 | i | | | -1.0028 | | 0221 | 024B | .007 | 94g0. | | 3292 | .2196
 | 3576 | .2812 | |
| 135.000 | 第 | 18. S | | -1.0003 | _ | 0147 | 0105 | 1810. | .0558 | .0975 | 3345 | . 2227 | .3919 | 3108 | |
| 200.70 | <u>.</u> | . 6003 | . 000 | P. S | 1 300 | C907 | 0021 | ξ | £/50. | . 0342 | 3519 | . 18:6 | . 3523 | . 3059 | |
| | | | | | | | | | | | | | | | |

(RB2503)

| 1 BOOSTER |
|--------------|
| TESS = |
| 53/2 53/2 03 |
| (1A32F) T9 |
| HSFC 5671 |
| |
| |

.900 BETA (1) . -4.000

MACH (2) .

| | | | 13.033 | | |
|-------------------------|--------|---|--|----------|--|
| | .9555 | | • | . 9555 | |
| | .9122 | 9759.
1462.
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1663. | Ž. | .9122 | . 1520
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. 1312
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. 0558
. 1731 |
| | .8834 | . 1067
. 0420
. 0591
. 0966
. 0876
. 0760
. 0756 | 6.2700 | .883¥ | .0866
.1013
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| | . 7653 | 3280
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3625 | d | .7653 | 3736
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2549
1247
2804
4247
28495 |
| | .6570 | .0917
.0946
.1033
.1240
.1410
.1950
.2016 | 900 | .6570 | 1318
1190
1068
1069
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1071
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1171
1181
118 |
| | .5488 | 9.9990
.0618
.0590
.0811
.0960
.1166
.1161 | 22.008 | 88
40 | .0797
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| | £044. | .0279
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.0303
.0356
.0356
.0396
.0395 | ATA | .4405 | 0140
 |
| BLE CP | .3323 | 0003
0031
0146
0416
0416
0416 | 7.3630
BLE CP | .3363 | 0746
0758
0773
0773
0705
0579
0678
0678
0718
0718 |
| DEPENDENT VARIABLE CP | 042Z | 0242
0379
0580
0861
1130
1072
0702 | 000 0 • 7.363
DEPENDENT VARIABLE CP | .2240 | 0490
0800
0397
0433
0433
0402
0752
1631
1631
1631
1631 |
| DEPENDE | . 1518 | | 0 000 O | . 1518 | 2732
2608
3180
3180
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5113
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5133
4302
4302
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4302
5193
5686
38475
5686 |
| | .1158 | 8918
-1.0011
8688
8747
6720
8256
82989 | • | | -1.0026
-1.0383
-1.0485
-1.0485
-1.0447
-1.052
-1.052
-1.9843
-1.9186
-1.9212
-1.028 |
| | .1013 | | BETA (2) | .1013 | 0559
0559
0584
0621
0182
.0176
.1138
.1713
.1713
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| OOSTER | .0722 | 2906
3716
37706
3654
1313
1919
1919 | | .0722 | . 1078
. 1088
. 1088
. 1188
. 2075
. 2086
. 3086
. 3088
. 3888
. 3888 |
| 8 1855 | .0433 | .3987
.4229
.4229
.3538
.3538
.1915
.1917 | . B 1850 | .0433 | . 1913
. 1708
. 1719
. 1950
. 2889
. 3546
. 4113
. 4476
. 5284
. 5789
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. 5780 |
| SECTION (1)SPN BOOSTER | X/LS | PHI
180.000
202.500
225.000
277.500
270.000
315.000
337.500
350.000 | MACH (2) 800
SECTION (1)SPH BOOSTER | X/LS | PHI
 |

| | | | | £ | HSFC 567(1A32F) TB 53/2 53/2 03 | A32F.) T9 | 5:1/2 53/ | | SPH BOOSTER | 5 | | ,R82503) | (£03) | | |
|------------------------|--|----------|--------------|----------------|---------------------------------|-----------------------|-----------|------------|-------------|----------------|-------------|-----------------|--------|----------------|--------|
| MACH (2) | | 008 | BETA C | • | 4.000 | • | 7.3630 | PTA | | 85.00B | æ | - 6.2700 | PSA | • | 13.033 |
| SECTION (1) SRM BOOS | 18 50 | BOOSTER | | | DEPEND | DEPENDENT VARIABLE CP | ABLE CP | | | | | | | | |
| X/LS | E£ #9. | .0722 | . 1013 | 95.1. | . 1518 | .2240 | .3323 | . 4405 | . 5488 | .6570 | . 7653 | .883¥ | .9122 | .9555 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | .1621 | | | | | | | | .0557 | . 0885 | 3681 | .0668 | . 158 | .0038 | |
| 22.500 | . 1586 | | | | • | • | | | .0561 | .0857 | 3580 | .0781 | 1319 | 56±0. | |
| 45.000 | 1584 | . 0869 | • | -1.0902 | • | • | • | • | .03+0 | - 081 | 3603 | . 1027 | 1678 | 690 | |
| 67.500 | | | - 0995 | | • | | • | 02:32 | .0208 | .0547 | 3629 | | B2+1. | . 0430 | |
| 90.000 | 套. | .0751 | 0833 | | | 0527 | • | 0373 | .0106 | .0608 | 3729 | 1210 | .1527 | .0613 | |
| 112.500 | | | | | • | 0734 | 0877 | 0554 | 0109 | .0701 | 3555 | 11377 | 1991. | 1128 | |
| 135.000 | .2318 | | | -1.0673 | 3355 | E#/ U | 0849 | FC90 | יינקטקיי | B190 | 2627 | 0.00 | BC03. | יוספר.
זכפל | |
| 000.721 | 205. | 1 P. C. | 0000. | -1.0058 | • | • | | 6710 | 9.9990 | 0396 | 3792 | 22.48 | 8.4 | 3850 | |
| 202.000 | 1.80 | | | | • | • | ٠ | 1910. | 82 | .0746 | 3931 | +161. | 7995 | ¥383 | |
| 225.000 | 4918 | | | | · | • | 0114 | .0213 | .0483 | . 0938 | 4809 | . 0556 | -20P | .3527 | |
| 247.500 | | | .2723 | 8558 | 2927 | 1648 | 0416 | .001 | .0513 | . 1322 | 3416 | 5450 | S++0. | .2064 | |
| 270.000 | ¥119 | .3997 | 3178 | 8669 | | 2875 | -, 1029 | 0316 | . 0555 | . 1549 | 1407 | 0446 | .0340 | 1600. | |
| 292.500 | | | .0212 | 9260 | 5501 | 2407 | 1010 | 0135 | .0697 | . 1303 | 3107 | 0389 | .0466 | 0,000. | |
| 315.000 | .2632 | | 0511 | 9978 | 4345 | 1999 | 0912 | 0095 | .071 | .1122 | 4241 | 0226 | . 6883 | 0665 | |
| 337.500 | .2191 | | | -1.0272 | 3062 | 1565 | 0917 | 9.9990 | .0631 | . 0958 | 3504 | . 0297 | | 0362 | |
| 350.000 | . 1621 | .0943 | 0718 | -1.0537 | 2745 | 0765 | 0866 | 0040 | . 0557 | . 0885 | 3681 | . 0656 | .1158 | .0038 | |
| MACH (3) | | 1.050 | 0ETA (1) | | 0 000·† | • | 8.4300 | PTA | • 22. | 22.007 | 윰 | .5700 | PSA. | • | 11.008 |
| SECTION (1) SPM B0051 | - RSCI | BOOSTER | | | CEPENDE | CEPENDENT VARIABLE CP | BLE CP | | | | | | | • | |
| | | | | | | | | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | . 158 | .1518 | 0422. | .3323 | 50+4. | .5⊁88 | .6570 | . 7653 | . 8834 | .9122 | . 9555 | |
| ž | | | | | | | | | | | | | | | |
| 000 | .3156 | .2565 | | 7064 | • | 9160. | .0110 | 0063 | .2080 | .3294 | 3099 | . 2290 | .3482 | . 1959 | |
| 22.500 | 3059 | 1939 | 340 | 7219 | • | .0597 | .0088 | 0346 | .2004. | 300P | 3107 | .2463 | .3365 | . 2231 | |
| 45.000 | 8 | ¥175. | 1841. | 7111
- 6046 | 4582 | 08/0. | 9910. | 7509. | 16.6 | . 30c3 | 2015 | , i | 3305 - | | |
| 000.00 | 100 | 5176 | 2.08
8015 | 6743 | • | .095 | *** | 0269 | 1465 | . 2728 | 2891 | -289₹ | 4059 | 3+99 | |
| 112.500 | | | 06×2. | 6500 | • | .0890 | .0564 | .0037 | . 1463 | .2646 | 2662 | .2908 | .4360 | 407B | |
| 135.000 | 158 | 4754. | 1275. | 6409 | 3144 | .079 | .0610 | .0216 | .1509 | . P+03 | 2720 | . 2910 | .4654· | 4516 | |
| 157.500 | 5246 | .4517 | 6773. | 6371 | 3221 | . 0638 | . 0592 | .0427 | . 1509 | .2312 | 2940 | .2516 | £579 | 151. | |
| 180.000 | F 3. | . 4663 | . 2835 | 6450 | 3182 | .0087 | 8110. | . 0283 | 9.9990 | . 2222 | 2965 | 1919 | .3310 | .3997 | |
| 202.500 | . 5529 | .4939 | £979. | 6377 | - 3749 | 0270 | .0347 | . 0293 | . 1212 | . 2224 | 点
点
。 | 135 | . 2334 | .3314 | |
| 225.000 | OFFI
OFFI
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OFFI | 937B | 14. | 6054 | • | 0554 | .0260 | .0264 | . 1285 | .2305 | 33%2 | .0312 | 1368 | 75. | |
| 247.500 | | | .4577 | 5098 | • | 1020 | .0133 | .0197 | . 1460 | . 25.77 | 1528 | 0195 | - 115 | S 1 | |
| 270.000 | . *7.6 | . 5053 | .4723 | 523 | 3879 | 136 | .0160 | .0023 | . 1669 | 2834 | 0981 | 0168 | . 1292 | ن.
تر | |
| 292.500 | | | . 1392 | 6150 | 4923 | 1172 | .0187 | . 0022 | | 3242 | 3035 | 0013 | . 1.55 | .:807 | |
| 315.000 | ₫. | <u>.</u> | .0865 | 70 ¥ | 3868 | - 00 . | .0133 | 0031 | . 1878 | .3305 | 3400 | .0975 | .2737 | بر
ام | |
| 337.500 | 338 | B.T.S. | . 1233 | 7246 | - 3036 | 0000 | .0054 | 9.9990 | 1893 | .3301 | 3160 | | e e | N 2 | |
| 360.000 | 3.56 | Č. | | 7064 | -· 3014 | . 0916 | 01.0°. | 0053 | .2080 | ₹
5.7
7. | 5099 | 0622. | 3485 | . 1505
105 | |

11.000 .1500 .1811 .1811 .1813 .2306 .3304 .3304 .4236 .4236 .4134 .4134 .4134 .4135 .4136 8558 .0578 .1591 .1512 .1312 .1312 .1312 .3823 .3823 .3928 .3028 ğ .9122 1345. 1379. 1379. 1373. 1374. 1374. 1374. 1374. 1374. 1374. .9122 (RB2503) 6.5700 6.5700 . 2021 . 2023 . 2159 . 2155 . 2155 . 2276 . 2578 . 2578 . 2578 . 2578 . 2569 . 0014 . 0050 . 0015 . 0017 . 0017 . 1720 .883 .8834 . 1129 . 1367 . 1682 . 1941 . 2051 . 2051 . 2051 . 2051 . 2001 . 2001 . 0010 . 0010 . 0010 . 7653 - 2013 - 2009 - . 3286 . 3159 . 372 . 3718 . 3 .7653 Ą .6570 2175. 2175. 2175. 2175. 2175. 2175. 2175. 2175. 2175. 2175. 2175. 2175. 2175. 2175. .6570 22.007 SPH BOOSTER સં • . 188 .1009 .1089 .1280 .1417 .1626 .1682 .1583 .1525 .1460 .1311 .1187 .1001 .0738 .0673 .0651 88. \$. 1520 1538 1381 1381 1382 1388 1388 1538 1538 1538 1538 1538 .0143 -.0531 -.0714 -.0880 -.0801 -.0810 -.0540 -.0393 -.0152 -.0166 PTA £33. -.0109 £03¥. -.0569 -.0589 -.0866 -.0963 -.0985 -.0985 -.0543 -.0154 9.9990 -.0531 PTA .0291 .0291 .0033 .0043 .0126 .0048 .0049 .0040 ~ : HSFC 567(1A38F) T9 53/2 53/2 03 ...0069 ...0013 ...0059 ...0069 ...0071 ...0015 ...0015 ...0067 ...0068 8.4300 .3323 -.0157 -.0156 -.0156 . 0322 . 0322 . 0029 . . 0236 . . 0379 . . 0411 . . 0410 -.0113 .3323 -.0474 -.0378 -.0190 DEPENDENT VARIABLE CP DEPENDENT VARIABLE 22.6 -.0196 -.0421 -.0013 .0312 -.0324 -.0324 -.0385 -.1140 -.1367 -.2044 -.2619 -.0961 -.0549 -.0679 -.0193 -.1059 -.1838 .2240 -.1135 -.2114 -.2049 -.2176 -.4390 -.3087 -.2373 -.1907 -.0196 - 4796 - 4796 - 44796 - 4067 - 3495 - 3350 - 3473 - 3473 - 3544 . 1518 .1518 - . 3608 - . 4402 - . 4800 - . 4800 - . 4836 - . 3855 - . 3855 - . 2811 - . 2118 - . 1169 - . 1169 - . 1169 -.4116 -. 5030 -.3833 -.3114 900 ¥.000 ...58 -.7026 -.6943 -.6801 -.6569 -.6459 -.6155 -.5882 -.4889 -.5249 -.6981 -.7013 -.7160 -.7134 -.7276 -.7276 -.7280 -.6970 -.6294 -.5982 -.5105 -.5105 -.5105 -.5105 <u>=</u> -.6729 -. 7×06 **a** BETA (3) .1013 1361. 1469. 1469. 1669. . 1013 .1042 .1471 .1361 98.1. 11281 11281 11281 11281 11281 11281 1281 13897 13897 13897 13897 1438 1735 1735 1735 1735 .0722 25.5 . 285. 285. 285. .4274. 1757. 15.00 15.00 15.00 .5163 .3037 .2856 .2753 2639 2639 2639 8 .0722 32862 3882 4507 5021 5127 3156 5017 SECTION (1) SAM BOOSTER SECTION (1) SAM BOOSTER <u>.</u> . 8 9433 1288 1717 1719 1719 91.46. 5562. 5528. .3157 .3289 ¥124 5085 .4576 P-33 3013 3002 3035 3907 4573 4933 5026 4695 2979 2860 3013 3086 88 MACH (3) MACH (3) 22.500 45.000 67.500 112.500 1135.000 1137.500 1157.500 1157.500 225.500 225.500 225.500 225.500 225.500 2315.000 2317.500 202.500 225.000 225.000 277.500 270.000 315.000 337.500 .000 45.000 45.000 67.500 90.000 112.500 135.000 757.500

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| | | | | Ž | HSFC 967(1A32F) TB 53/2 53/2 03 | (2F.) T9 ! | 33/2 53/ | | SRM BOOSTER | 3 | | (RB2503) | 03) | | |
|------------------------|-----------|----------------|-----------|---------|---------------------------------|-----------------------|----------|--------|--------------|---------------------|----------------|----------|--------|------------|-----|
|
MACH (4) | 1.250 | | BETA (1) | | D 000.4- | • | 9.2843 | AT4 | • | 22.007 | ď | 6.6867 | \$ | • 8.5160 | 180 |
| SECTION (1) SPM BOOST | 1) S9H 80 | OSTER | | | OEPENDE) | DEPENDENT VARIABLE CP | E CP | | | | | | | | |
| X/LS | .0433 | .0722 | .1013 | .1158 | .1518 | .2240 | .3323 | .4405 | .5+88 | .6570 | . 7653 | .883% | .9122 | .9555 | |
| Ē | | | | | | | | | | | 1 | | | | |
| 000 | ST. | . 2228 | .1790 | 4512 | 3358 | . 0965 | 0356 | 0021 | 0030 | 3020 | 2932 | .0981 | .3628 | 5482 | |
| 22.500 | . 2079 | .2325 | .2070 | 4576 | 3596 | .029 | 0564 | 0305 | 0235 | .2604 | 3025 | 0547 | 6±1±. | 第 : | |
| 45.000 | .2005 | 3556 | .2356 | 4470 | 3456 | .0182 | 0372 | - 056 | - 0439 | 845V | +082 | 0935 | 3850 | .5107 | |
| 67.500 | | | srrs. | 4303 | 3139 | <u> </u> | 0
∓ | .0085 | 0548 | .250 | . 1518 | .0579 | 3219 | . 2901 | |
| 90.000 | .283 | .340₹ | 3172 | 4109 | 2774 | 1490 | .007 | .0399 | 0455 | . 2225 | -,2613 | . 1502 | 946 | .2750 | |
| 112.500 | | | .3602 | 3909 | 2470 | 1377 | .0303 | .0538 | 0289 | .1704 | 1.2495
205 | .1818 | 3090 | .3665 | |
| 135.000 | ±90±. | .43 8 1 | .3888 | -, 3823 | 2266 | 1210 | .0375 | .0483 | ¥.10 | -108€ | 2276 | . 1603 | 3749 | .3696 | |
| 157.500 | .4519 | .4710 | . 3939 | 3770 | 2214 | 092 6 | .0370 | .0450 | 0050 | . 09 1 5 | -, 2222 | 01±1. | . 344B | .3743 | |
| 180.030 | £1415 | .¥862 | .4023 | 3820 | 2286 | 0677 | . 0251 | 7640. | 9.9990 | .0855 | 2123 | . 1281 | .2560 | .3252 | |
| 292.500 | .4663 | . 5226 | 401子 | 3900 | 2640 | 0648 | .0085 | .0327 | . 0273 | . 1065 | 2282 | 1470. | .1774 | .2577 | |
| 225.000 | 4274. | .5708 | .4687 | 3561 | 3499 | 0864 | 9010 | .0173 | . 0289 | . 1369 | 2385 | .0012 | .1007 | .2003 | |
| 247.500 | | | .5889 | 2554 | 3637 | 1786 | .0072 | . 0289 | .0480 | . 1969 | 1806 | 0292 | .0875 | .2039 | |
| 270.000 | 982 | 5516 | .5987 | 2695 | 4001 | 2028 | .0182 | .0232 | .0503 | .2530 | 2081 | 0329 | .0893 | .1985 | |
| 000 H 1000 | <u>}</u> | } | 1055 | 14727 | Anch. | - 2182 | 0388 | 0.0253 | 6690 | 3302 | 2757 | .002¥ | .0523 | .1570 | |
| | Ş | 6 | | 1007 | BOTE 1 | 980 | 010 | 6810 | | 1 | מכשמ - | 5001 | • | 1190 | |
| 313.000 | | 10/3· | | | 9000 | | 1 1 | 900 | 0250 | 445 | - 2887 | 141 | | 3 | |
| 357.330 | \ F. W. | CACU. | A / D / | 100 | | 1000 | | | 950. | | | | | | |
| 360.000 | STAN. | . 2228 | . 1780 | 43i2 | 3358 | . 0965 | 0358 | 0031 | 0030 | . 3020 | 6356 | 650 | P
L | | |
| MACH (4) | | | BETA (2) | • | .000 G | • | 9.2843 | PTA | . 22. | 22.007 | Α.
• | 6.6867 | 45 | - 8.5160 | 160 |
| | | | | | | | | | | | | | | | |
| SECTION (1) SRM BOOST | 2.5RM 80 | OSTER | | | DEPENDEN | DEPENDENT VARIABLE CP | PLE CP | | | | | | | | |
| \$7/X | .0.33 | .0722 | .1013 | 1158 | .1518 | .2240 | . 3323 | .4405 | .5±88 | .6570 | .7653 | ₩893 | .9122 | . 9555 | |
| Ë | | | | | | | | | | | | | | | |
| 000 | . 1092 | .1853 | 1990 | 433 | - 2993 | .0069 | 0425 | 0242 | . 0227 | .2206 | 2826 | 1429 | .3147 | .1779 | |
| 22.500 | .0377 | 1953 | 2015 | 4280 | 3074 | 0047 | 0828 | 0217 | - 008€ | . 1765 | e777 | .1305 | .3966 | .2714 | |
| 45.000 | .0265 | 1661 | . 1966 | 4281 | 3183 | .0111 | 0728 | 0221 | 0387 | . 1475 | 2760 | . 0993 | .4157 | .2700 | |
| 67.500 | | | .2065 | E+E+ | 3216 | 0441 | 0496 | 0092 | 0550 | . 1500 | 2771 | . 1388 | 5849 | .1958 | |
| 90.000 | 1309 | .2066 | .2341 | 4247 | 3129 | - 114 | 0333 | 0021 | 0624 | . 1425 | €.267 <u>9</u> | .1684 | . 2553 | -2117 | |
| 112.500 | | | 2692 | 4142 | 2943 | 1532 | 0180 | 0092 | 0579 | . 1055 | -,2735 | . 1888 | .2850 | . 2639 | |
| 135.600 | 2890 | 3331 | .3158 | 3975 | 2695 | 1145 | .0073 | 0221 | 0346 | .0310 | ₹. ° | .2042 | 04+E. | . 3323 | |
| 157.500 | 3685 | 7395. | BrtB. | - 384t | 2476 | 0728 | .0199 | 0300 | 0142 | ₹
0.0 | 2446 | 56 | .3249 | . 3685 | |
| 100.000 | 980÷. | .4682 | 3915 | 3750 | 2192 | 0479 | .0053 | 0071 | 9.9990 | .0603 | 23 W | . 1698 | 3040 | .3777 | |
| 202.500 | 4368 | 523 | \$25° | 3637 | 2455 | 057 | 0037 | 0017 | .0290 | .0923 | 2362 | .1123 | .2466 | . 3564 | |
| 225.000 | 4346 | 5745 | \$085. | 3367 | 3+96 | 1090 | 0191 | 0070 | .0312 | 6¥31 · | 2433 | .0183 | . 1244 | .2812 | |
| 247.500 | | | .6005 | 2350 | 3739 | 1959 | 0178 | 0025 | .0469 | 1709 | 1297 | 0245 | . 0669 | .2123 | |
| 270.000 | 3390 | .5377 | .5848 | 2607 | -,4294 | 2286 | 0112 | 005⁴ | .0524 | .2145 | 1123 | 0224 | .0783 | . 1682 | |
| 292.500 | | | 1987 | +75F | 4396 | 2433 | .0020 | 0053 | . 0569 | 2525 | 2487 | .000 | .0692 | . 1435 | |
| 315.000 | 1409 | 2520 | . 1210 | +364. | 4009 | 2008 | .0266 | 0099 | .0532 | . 2653 | 2553 | .0819 | 89-7. | . 0211 | |
| 337.500 | 1066 | 2235 | . 1832 | 4660 | 3232 | 0939 | .0117 | 9.9990 | . 0292 | .2618 | 2705 | .1378 | .3343 | .07%5 | |
| 360.000 | 260 | 1853 | 066 | 4334 | 2995 | 6900 | . 2
2 | 0242 | .0227 | .2206 | 2826 | £2. | .3147 | .1779 | |
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ORIGINAL PAGE B

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|--------------------------|-------------|----------|--------------|----------|---------------------------------|-----------------------|---------------|---------|-------------|-----------|--------|----------------|-------------|------------------|--------|
| | | | | 2 | MSFC 567(1A32F) T9 53/2 53/2 03 | 32F.) T9 | 53/2 53/ | | SAH BOOSTER | 5 | | (R82503) | 03) | | |
| MACH (*) | | 1.250 86 | BETA (3) | • | 4.000 0 | • | 9.2843 | PTA | • 25. | 22.007 | ď | 6.6967 | \$ | • | 8.5180 |
| SECTION (1)59H BOOST | 11 SPH BK | XOSTER | | | 30KPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| SIX | 8.13 | .0722 | .1013 | 95:: | . 1518 | .2240 | .3323 | 50*** | 9 | .6570 | .7653 | ₹883. | 2216: | .9555 | |
| Ē | | | | | | | | | | | | | ! | | |
| 000 | 1536 | <u>.</u> | . 1832 | 4500 | - | =
= | 0042 | 0559 | .0282 | .2040 | 3026 | 12. | 8 | .0976 | |
| 52.50G | 32: | 177. | .1877 | - 450 | 238 | 0238 | 0793 | 0559 | 5 | . 1793 | 2975 | 5151. | N. | 555 | |
| ¥5.000 | .0616 | .2163 | <u>.</u> | £30 | • | 600. | 0817 | 0525 | まで.
である. | | 3009 | 1301 | Š. | 96/1 | |
| 67.500 | | | . 1948 | . 4355 | • | . 0208 | 0692 | 0513 | 063¢ | | 2772 | 138 | B. (| 1171. | |
| 90.000 | .089 | £02. | .2015 | 4519 | • | .0157 | 0597 | 0393 | 0751 | 書. | - 30th | 1439 | 175. | . 170Z | |
| 112.500 | | | .2530 | 4451 | - 第二 | 07GF | 0572 | 6385 | - 0839 | 7.00 | - 3455 | 929 | 8778. | 4422. | |
| 135.000 | . N.58 | 2909 | .2630 | - #M# | • | <u>.</u> | 0521 | 053 | 0813 | 7870. | 3156 | 288 | B. 6 | | |
| 157.500 | 9.428 | 3618 | 3070 | 3 . | • | - 1081 | 0442 | 26.50°- | 0800. | 0210 | . 5631 | 981 | 0645. | 5/2 | |
| : 80.000 | 26.5 | C154. | 105 | | ני/ניקי | 2000 | 2000 | | 0000 | 82.00 | 1257 | 200 | 35.81 | 1 | |
| 202.500 | | | /214. | 13/EU | 2000 | 1,000 | 1000 | | 986 | 100 | 3869 | 0.283 | 1 | 3509 | |
| 247.500 | 100 | 200 | 5693 | 1.2 | 2739 | - 1655 | 0676 | 0005 | 9620 | .1615 | 2145 | 0325 | .0667 | CE T. | |
| 270.000 | 2563 | 1 | .6036 | | - 3469 | 2139 | 0722 | 0290 | .0357 | .2086 | 1772 | 0301 | 1670. | .1245 | |
| 292.500 | | } | .2697 | 4787 | 4020 | 2160 | 0567 | 0380 | 3450. | .2305 | 3105 | 0196 | .0817 | .1096 | |
| 315.000 | 1180 | 3100 | 1939 | 4907 | 2872 | 1421 | 0312 | 0470 | .0550 | .2381 | 2997 | .0396 | - 1615. | 0271 | |
| 337.500 | 0746 | 2680 | .225 | - 4486 | 2012 | 0968 | 0180 | 9.9990 | .0403 | . 2266 | 2981 | 1037 | | . 0245 | |
| 360.000 | . 1536 | Ē | . 1932 | 4500 | 2900 | =
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= | 0042 | 0559 | . 0282 | .2040 | 3026 | .1247 | ₽90
1870 | 9760. | |
| 7 | - | | 0CTA () 1 | | 1 | • | B. 6730 | ĄĮď | • 22.010 | 010 | æ | 6.5300 | 8 | • | 6.3457 |
| - | | | | , | | 1 | | | | } | ļ | | • | | |
| SECTION (1) SPN BOOSTER | 1) SPH B0 | OSTER | | | DEPENDE | DEPENDENT VARIABLE CP | PLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | .1158 | . 1518 | .22% | .3323 | 4405 | 88
3. | .6570 | .7653 | .683 | .9122 | 9555 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | .1062 | .2527 | .2315 | ere | 2420 | .0743 | 0334 | .0278 | .0351 | .2617 | 1775 | 1706 | .2728 | 3846 | |
| 22.500 | . 1229 | .1788 | 25.56 | 2825 | 2188 | .0236 | 0077 | .0529 | 10. | 2000 E | 1812 | 1151 | B. 7. | , 4520
0.00 | |
| 45.000 | 1706 | 1780 | 14 %
14 % | 2719 | 2123 | 0869 | 1810. | . 0269 | 0102 | . 1653 | 1575 | 0380 | . 3838 | . 3505
. 2297 | |
| 000.06 | ī. | 2865 | 35.55 | P44B | 1762 | 1921 | .0082 | 0000 | .0065 | .0375 | +.770 | .09¥3 | .4265 | 3285 | |
| 112.500 | | | 3695 | 2241 | 1449 | 0742 | であ | .0339 | .0175 | ₩2. | 1599 | .1715 | .3128 | .3356 | |
| 135.000 | 3548 | .¥136 | .4128 | 2113 | 1232 | 0807 | 0317 | .038⁴ | 9/10: | 9210. | 1373 | .20 8 * | .3290 | 3470 | |
| 157.500 | 3608 | 087. | 1624. | 1917 | 1081 | 0766 | .0033 | | .020* | ₹.
70. | 1173 | Z ! | | .3573 | |
| 180.000 | ** | .4822 | <u>\$</u> | ±06. | - 105
- 105 | 0437 | .0252 | | 9.9990 | 1670. | | 9781. | 5262 | 3 × | |
| 202.500 | 3609 | . 5300 | | - 1819 | 1239 | /6cn - | מיקט.
מרים | 1010. | 0000 | 0/01: | | 9000 | | 25.5 | |
| 26.5. UUU | 1966 · | 200 | 5000 | - 0613 | 7.50 | -, 1691 | 5120 | 0293 | 0.00 | 1865 | 0889 | 1610 | | . 23+6 | |
| | 935 | FER PE | 74.16 | - 0506 | 3348 | 1885 | .0255 | .0427 | .025 | .24B2 | 0971 | .0130 | | 83-5 | |
| 292.500 | } | 3 | 600 | 3050 | 3805 | 2376 | .0370 | .0652 | .0399 | .3138 | 1572 | 9190. | | . 2339 | |
| 315.000 | B. | .379 | ¥713. | 34235 | 3674 | 2401 | .0240 | .0676 | .0354 | .3236 | 1632 | .1049 | | . g. | |
| 337.500 | 0¥0 I . | 1962 | 1545. | 3066 | 2764 | 0992 | 0089 | 9.9990 | . 0250 | .2907 | 1566 | .0:67 | .3397 | 3793 | |
| 360.000 | . 1062 | 1252 | .23:5 | 2727 | 2420 | .0743 | 0334 | .0278 | .6351 | .2617 | 1775 | 1705 | .2728 | 35.5 | |
| | | | | | | | | | | | | | | | |

TABULATED SOURCE DATA, MSFC THT 567 (1A32F)

8

88 ð .9122 (RB2503 6.5300 . 1883 .7653 전 .6570 22.010 SRM BOOSTER £88 PTA HSFC 587(1A32F) T9 53/2 53/2 03 9.4730 . 3323 VARIABLE CP .2<u>7</u>5 DEPENDENT 000 SECTION (1) SPM BOOSTER --

9 9 88.25. CO. 25. 1040.1 10413.1 1041 . 1794 . 1822 . 1810 . 1816 . 1826 . 1827 . 1828 . 1828 . 1828 . 1839 . . 1383 . 1383 . 1383 . 1003 . 1003 . 1003 . 0310 . 0511 . 0591 . 1744 . 7110. 2500.-2510.-2510.-2510.-2510.-2520.-2520.-2520.-2510.-2520.-2510.-2520.-2710.-.4405 - 1025 - 0747 - 0747 - 0846 - 0825 - 0804 - 0856 - 0823 - 0829 - -.0593 -. 1025 DEPENDENT VARIABLE CP . 0813 . 0338 . 0338 . . 1221 . . 1250 . . 1250 . . 0378 . . 0378 . . 1659 . . 1659 . . 1659 . . 1659 . . 1659 . . 1659 . . 1678 . . 1678 -.1358 -.1062 -.1193 -.2185 -.2539 -.3251 -.3251 -.3915 -.3915 . 1518 - .2323 - .2323 - .2259 - .2196 - .2094 - .1924 -.1640 4.000 28 -.1943 -.1572 -.0564 -.0567 -.2313 -.2087 -.3102 . 1013 .0722 .3210 .3948 .4346 .5055 .1905 .6899 . 1940 .666 .3997 SECTION 1 11SPM BOOSTER 1.460 £43. 0550 0481 0746 .2382 .27+8 .34+4 .3507 .09913 .0913 .0550 . 1503 .3311 MACH (S) .000 22.500 45.000 67.500 90.000 135.086 167.596 183.065 802.509 825.009 847.599 847.599 847.599 847.599 847.599 847.599 847.599 847.599 847.599 847.599

. BB3+ 1771.-1816.-1796.-1691.-1771.-1471.-1771.-1689.-1731.-1731.-1731.-1731.-1731.-1731.-1731.-1731.-1731.-1731.-.7653 .6570 - 0094 - 0175 - 0319 - 0319 - 0325 - 0314 - 0045 - 0099 - 0091 - 0091 - 0099 - 0091 - 0099 - 0099 - 0099 . 0264 . 0219 . 0219 . 0215 . 0255 . 0255 . 0350 . 0110 . 0350 . 0036 . 0036 . 0293 . 0293 . 0293 . 0293 . 0293 .4405 . 3323 - 1945 - - 1070 - - 0547 - - 0197 - - 0197 - - 0183 - - 0183 - - 0851 - - 0851 - - 0851 - - 1856 - - 1354 - - 1 . 1158 . 0439 . 0439 . 0351 . 1562 . 1575 . 1575 . 0507 . 0305 . 1576 . .2240 .1518 - 2059 - 2059 - 2050 - 2204 - 2457 - 2457 - 153 -.2310 -.2943 -.2963 -.2963 -.3126 -.3143 -.2970 -.2552 -.2350 -.2080 ... 28 -.1536 -.0557 -.3028 -.3028 -.3046 -.3046 .1013 .0722 . 0709 . 0529 .0979 .3487 .3555 5553 .3118 .1274 .1289 6454 .0+33 .0215 .0138 .0317 .25147 .2914 .3150 .0932 1007 0784 0215 22.500 45.009 67.500 67.500 1112.500 1157.500 1160.000 225.500 225.500 237.500 337.500 337.500

| MSFC THT 967 (1A32F) |
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| 267 |
| Ħ |
| 350 |
| DATA. |
| ABULATED SOURCE |
| ATED |
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| |
| DATE OS SEP 75 |

| 15th (1159H BOOSTER) | • (B) | 8 | 岩 | BETA (| £ . | SFC 567(1 | MSFC 967(1A32F) T9 53/2 53/2 03 | 53/2 53/ | TA. | SPH BOOSTER | 28.036 | Eł | 19825033
7.0833 | 1 | • | 3.8317 |
|--|---------------|----------|----------|--------|-------------------|-----------|---------------------------------|---------------|----------------|---|-------------------|---|--|---|--|--------|
| Character Char | T10N (1)S | F 6005 | | | | OK3430 | ENT VARI | BLE CP | | | | | | | | |
| 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, | | | 321.0 | .1013 | | | | | £05 | 85.
6. | .6570 | .7553 | 4634 | . 3) EE | 8;
8; | |
| 1, 1934 1, 1 | 000 | _ | 1 | 0861 | 09 | • | 9770. | .0813 | 9010. | . 0236 | .0756 | 1.9435 | .0693 | .3529 | .3715 | |
| 100 131 204 1428 -1107 -1007 -1048 -1018 -1022 -0452 -0458 -1058 -1058 -1558 -1558 -10 | | | 925 | . 1626 | | • | • | | . r. 100 | . 0221 | . 0598 | 0265 | 6.65 | (i)
(i) | <u>8</u> | |
| 1989 | | · | 3 | .1976 | 1405 | • | • | • | .0183 | .0232 | 65+0 | 0059 | . 1631. | S | F. 50 | |
| 100 | 7.500 | | | Ķ | 186 | | ٠ | 0463 | .0243 | .0123 | 989 | 037 | (i) | DE T | | |
| 1982 1983 1984 1986 1986 1987 1988 1987 1988 1987 1988 1987 1988 | • | • | 8 | 3004 | 095 | | • | 0385 | .0017 | 6559 | . 0293 | 6750 | <u></u> | | :: · | |
| 1352 1354 1355 | | | | . 3.2. | 0716 | | • | 0242 | . C033 | 7820. | 65.63 | 3879. | B (| | 0 y | |
| 1,000 1,00 | • | • | 283 | 3583 | 3950 | | | 210. | 0 0 | ה מול
ה מול |) (1) | |)
 | 7.50 | 7 to 10 to 1 | |
| 1500 2577 2789 2784 2787 2789 -0.001 -0.0 | | • | 929 | . 3833 | 0503 | | | יי פון
מיי | פעיני
פעיני | 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 #
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6 U | | n (; | , d | | |
| 1500 1504 1704 10050 1104 11050 10050 10050 10050 11050 | | | | | • | | • | - 0573 | 188 | 0.738 | 66.5 | 67.00 | i i m | 6 | : X | |
| 1832 1848 1848 1848 1868 1869 | | • | | i c | | | · | 0208 | .0578 | 0440 | 6770 | 161 | 633 | m | (H) | |
| 1500 1050 1210 1.0359 1.9450 1.1321 1.1813 1.0530 1.0459 | • | • | 3 | 0496 | | | • | .0405 | .080 | .0399 | . 1693 | CES7 | 0,10 | # : | ();
64 | |
| | | | 612 | 1.0359 | | | • | .0530 | .0579 | SD÷D. | 60+1. | 0759 | 9 | 11 | m
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m | |
| | | • | ? | 6293 | • | | • | .0534 | .059 | CHAO. | 1
1 | C724 | 6.65 | (4)
(| (P) | |
| | | • | 9 | .4055 | 0993 | | • | .0511 | .0535 | . n~02 | 1 | C735 | ₩.:O. | 1 | ē, | |
| Color 1.960 RETA (2) - 1.0942 0346 .0779 .0613 .0103 .0125 .0776 .0236 .0779 .0613 .0103 .0125 . | | • | 473 | 2819 | 0.00 | | ٠ | 0.451 | 9.9993 | .0354 | 1680. | 0733 | | (1)
(1) | Ç | |
| 1,960 EETA (2) - 1,060 | | • | 347 | .1980 | | | | .0513 | .0109 | . 0235 | .0756 | C+3E | .0883 | 8 | i. | |
| 100 11589 BOOSTER DEPENDENT VARIABLE CP 1033 .1013 .1158 .1518 .1519 .2240 .3323 .4405 5488 .E57G .7E53 .8834 5.222 .252 | 9 | 1.960 | | 5 ≤ | • | 900. | • | 10.259 | A74 | | .035 | ج
د | 7.0833 | | H (4) | . 6317 |
| 1,000 | CT 10N (1)SA | 9n B00S1 | 5 | | | OK3430 | ENT VARIA | BLE CP | | | | | | | | |
| 1078 1182 1169 -11099 -1016 -1013 -1013 -1013 -1015 -1026 | | | 326 | . 1013 | . 158 | | | .3323 | . 4405 | 883 | .6570 | . 7653 | ************************************** | (H)
(I) | 83 | |
| 1079 1182 1162 -1094 -1093 -1010 0357 -1013 -1055 -1025 | 7 | | | | | | | | | | | | | | | |
| 11297 1182 11160 -11709 -10899 -10516 10276 10519 -10558 11525 1177 -11597 -11695 -10719 -10899 -10516 10315 10315 10379 -11695 11827 11827 -11695 -11827 -11827 -11828 -11827 -10828 -10718 10003 10223 10223 10225 1175 -11850 -11175 -10712 10003 10203 10223 10225 1175 12109 -11184 -10736 -10316 10003 10003 10204 10296 1175 12109 111829 11182 12709 -11148 -10736 -10316 10003 10003 10004 10019 10 | | ٠ | 67.0 | 159 | 10 9 t | | | .010 | .0327 | .0133 | .03E9 | ପ୍ରଥନ୍ତ । | 4) | | | |
| 1909 1327 -1695 -1740 0954 0079 0235 0272 0259 | | • | 122 | . 1160 | 1709 | • | | .0267 | .0008 | . 0226 | .0519 | 60
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(1) (| (t) t | 8 i | |
| . 2709 . 2071 . 2109 - 1,135 - 1,175 - 1,0712 . 0.000 . 0.123 . 0.037 - 1,0558 . 1,75 - 1,9558 . 1,75 - 1,9558 . 1,75 - 1,0749 . 0.035 - 1,0706 . 0.003 - 1,000 - 0.095 . 2,099 . 2,0958 . 1,1148 - 0,035 - 1,0706 . 0.003 - 1,0004 . 0.031 . 0.032 . 0.031 . 0.032 . 0.031 . 0.032 . 0.031 . 0.032 . | | | | . 1717 | 1560 | | 0582 | 0354 | 0079 | 6293 | . 0225 | / C. | r | i) (| i.
ų i | |
| 2709 2700 - 2709 - 1016 - 0.0512 - 0.033 | | | 27. | 2109 | 1364 | • | 0712 | 0516 | 0000 | .0163 | \$ CE . | 10 n n n n n n n n n n n n n n n n n n n | o d
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| 3029 3120 1359 -0009 -00095 -0189 -0033 1033 1033 1033 1033 1033 1033 103 | | | į | | 20.00 | • | 0200. | 9000 | 2000. | 1000 | 9 1 5 | 4 E | 1 | ; ();
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| 3136 3573 40380206 .017 .01690293 0383 9.9990 .01890210 .1735 .2553 .2893 .2893 .02893 .02893 .02893 .02893 .02893 .2893 .02893 .2893 .02893 .0289 .2893 .0289 .2893 .0281 .0289 .2893 .0281 .0289 .0280 .0381 .0289 .0282 .0893 .0281 .0289 .0582 .0893 .0993 | | | 8 Z | 1325 | 0790 | | 4810 | 2 5 5 | \$\$ CO. | 1810 | - C39- | - 0847 |) (
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| . 2456 . 3670 . 7786 . 10450157 . 0028 . 0477 . 0362 . 0543 0535 0545 0545 0545 0545 0545 0545 0546 . | • | | 578 | 403B | 0206 | | 69:0 | 0293 | .0393 | 9.9993 | C183 | 0.60 | E | 6553 | | |
| . 2456 . 3677 . 7786 . 104303211003 . 0235 . 0554 . 0.557 . 05131020 . 0.5590595059605960596029202030826059605960292020308260292020402920204029202040292020402 | | | 913 | 5295 | 0420 | | 0157 | . 0922 | .0477 | C3EC | .0330 | 0837 | 6087 | .;
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| . 1972 . 2930 . 200309200550055605560550057002700290 | | | 979 | .7786 | .1043 | 1 | 1003 | .0235 | .0541 | .0357 | . 6513 | 1583 | 6 | Ē | m
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| . 1572 . 2897 1.0268 . 2994 - 11916 . 1998 . 0559 . 01917 - 1674 . 1519 . 1519 . 1519 . 1519 . 1519 . 1519 . 1519 . 1656 . 1519 . 1656 | | | | .9829 | . 2003 | • | 1711 | .0285 | .0556 | .0233 | . 1122 | 0870 | 83 | 8 | in
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| . 1636 1636 1636 1636 1637 1638 1636 1 | | | - 74 | .0208 | .239 | • | 1902 | 60EO. | .0527 | .0187 | .1674 | #180°F | đ.
Ç | (I) | 61
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61 | |
| .0059 .1656 .3979 -,1024 -,2026 -,1915 .0153 .0530 .0244 .1626 -,2712 .224 .4113 .0756 .0040 9,9990 .0176 .1317 -,0935 -,0512 .2551 .0756 .1189 .2591 -,1031 -,1476 .0040 9,9990 .0176 .1317 -,0935 -,0535 | | | | .6112 | 0309 | • | 1855 | . 0262 | 5720. | . 0259 | 0 E | 1.0940
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f) | |
| .0756 .1189 .2581103114151476 .0640 9.9590 .0176 .13171935131 | | | 929 | .3979 | 1024 | • | 1915 | . 6153 | . 6530 | \$ TUO . | . 1625 | 0.50 | 3 | T) (| 1 | |
| | | | <u>8</u> | . 2591 | 1031 | 1415 | 1476 | 0+00. | 9.9930 | .0176 | .1317 | 0985 | | # 1 (
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3.8317 .9555 PSA .9122 1213. 7.0800 .1553 .1489 .1513 .0812 .0308 .0127 .0372 -.0046 -.0459 .883+ -.0459 -.0069 .0338 .0135 1.41. .7653 -.1078 -.1194 -.1210 -.0964 -.0435 -.0872 -.1139 -.1193 -.0857 -.0953 -.1150 -.1061 -.0291 -.0961 쉳 .6570 28.00e ..0187 ..0081 .0031 ..0129 9.9990 .0037 -.0016 -.0133 -.0199 -.0126 -.0200 -.0187 .0¥88 - 0283 . 0000.
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Š 4.1200 枆 5.1887 DEPENDENT VARIABLE CP -4.000 BETA (1) • SECTION (1) SRM BOOSTER 2.999 MACH (7)

.9555 .9122 3575 575 2595 2390 2390 2994 2643 .883⊁ -.0719 -.0652 -.0764 .7653 -.0278 .3225 -.0585 -.0116 -.0775 -.0693 -.0507 -.0504 -.0454 -.0278 -.0574 . 1689 -.0801 .6570 .0256 .0414 .0412 .0293 .0219 5+88 2710. 2010. 2020. 2020. 2000. 20 .4405 .0116 -.0176 -.0247 -.0174 -.0081 -.0056 -.0703 -.0082 -.00053 .0137 .0230 .0230 .0230 .0116 . 3323 -.0439 -.0277 -.0203 -.0168 .0086 .0086 .1335 -.0175 -.0384 -.0320 -.0303 -.0175 -. 0402 -. 0439 -.0343 7.101. 7.102. 7.10. 8010. 8010. 8258. 8289. 9289. 9290. 9290. 9290. 1009. 1109. 1109. 1109. 1109. 1109. 1109. ٥<u>٠</u>٧ .1518 -.0267 -.0322 -.0244 -.0118 .0059 .0235 .3393 9740. .0433 .1135 .0912 -.0410 -.0017 .0705 -.010 -.0354 . 1.58 -.0558 -.0296 -.0173 -.0047 .0137 .0138 -.0416 .0113 .0807 .3932 .4736 .0230 -.0257 -.0559 .0071 .1013 . 1987 . 1987 . 2419 .3061 .3277 .3333 .1063 283 3236 3802 3802 7858 .4346 .1604 .1284 .1238 .0722 3956 9464. .3154 .2752 .2364 .11.3 .11.3 .1469 . 1469 . 2061 . 1922 -.0301 0+33 1359 1979 1883 1823 3590 4176 3545 3370 2890 1713 4369 1201 67.500 90.000 112.500 135.000 167.500 167.500 202.500 27.500 27.500 27.500 315.000 315.000 .000 22.500 45.000

DATE 05 SEP 75

| (C) HOW | • | 000 | • | | | | | | | : | 1 | | | | |
|--------------------|-----------------------|-----------------|-----------|----------------|-------------|--------------------|--------|------------|--------|--------|--------|----------|-----------------|--------------------|--------|
| | | | BETA C | •
• | 900. | • | 5.1887 | PTA
V | 30 | 30.014 | 턴 | • 4.1200 | ξ. | • | 1962 |
| SECTION | SECTION (1)SAN BCOST | X:05TER | | | DEPENDE | DEPENDENT VARTABLE | BLE CP | | | | | | | | |
| \$7/F\$ | .9433 | .0722 | .1013 | . 158 | . 1518 | .2240 | .3323 | .4405 | ₹. | .6570 | .7653 | .883 | .9122 | .9555 | |
| Ē | | | | | | | | | | | | | | | |
| 900. | | 6460 | .0923 | 96 <u>-</u> - | ₹
₹
7 | 0585 | 0272 | 0156 | .0003 | - 0089 | | | .2083 | . 1635 | |
| 22.500 | . 1227 | | . 1026 | 0621 | 0476 | 0403 | 036⊁ | 0133 | .007 | 0062 | 0357 | .0508 | .3065 | . 25.51 | |
| 45.000 | | 1346 | 1286 | 0506 | 0558 | -, 0369 | 0364 | 0178 | .003⊬ | 0002 | 0503 | . 0632 | 3079 | 3180 | |
| 67.500 | | | C#1. | 0528 | 0565 | 0372 | 0383 | 0312 | 0148 | 0043 | 0551 | . 0588 | .2476 | -239 | |
| 90.00 | 171. | . 1820 | . 1793 | 0483 | 0509 | 0379 | 0¥30 | 0435 | 0297 | 0047 | 0677 | 7973 | . 1812 | . 2226 | |
| 112.500 | | | .2069 | 0375 | 0445 | 0357 | 0342 | 0461 | 0364 | 0166 | 0734 | . 0953 | .19: | . 234B | |
| 135.000 | .236¥ | .2371 | Ť. | 0271 | 0334 | 0289 | 0271 | 040. | 0267 | 0215 | 0827 | .0845 | . 1 5 88 | . 235t | |
| 157.500 | 2849 | . 2770 | .2711 | 0181 | 0122 | 0148 | 0248 | 0308 | 0125 | 0118 | 0652 | .0±0. | .2099 | ň,
ň, | |
| 180.000 | .3229 | <u>8</u> | .2789 | 0163 | .0299 | .0455 | 0316 | 0181 | 9.9990 | . 0213 | 0722 | 0010 | .2170 | £¥. | |
| 202.500 | .3128 | 575. | .2740 | .004 | .0317 | .0310 | 0342 | 0070 | .0280 | .0127 | 0636 | e:00· | . 1935 | . 2457 | |
| 225.000 | . 261
4 | .221 | .3281 | .0530 | . 1130 | 0369 | 0349 | .0038 | . 0259 | .0123 | 0830 | .0131 | .1305 | . 1633 | |
| 247.500 | | | 3490 | 3486 | . 0839 | 1002 | 0301 | .0038 | .0276 | .0108 | 0875 | 5410. | .0601 | 132 | |
| 230.000 | 1469 | 7181 | 1069 | 6014 | .0509 | 1147 | 0342 | 0103 | .0187 | .0168 | 0569 | .0034 | .0477 | .1391 | |
| 200 | | | 2297 | 1764 | 024 | 1188 | 0275 | . 001 | .0161 | 0610. | 0562 | 0094 | .0325 | .3720 | |
| 315 000 | 000 | See | 1522 | P100 - | - 04B1 | -, 1185 | 0395 | .0066 | .0155 | 9600 | 0558 | 0073 | 1436 | ¥600. | |
| 327 500 | 191 | 7870 | 200 | 0493 | - 0503 | 1856 | 0396 | 0000 | 0131 | 1,00 | 0536 | 3129 | 1510 | . 1320 | |
| 750 000
Ten 000 | 5 | | 200 | 1 190 | 1 2 2 | 10.00 | 67.50 | 0156 | 0.085 | -,0789 | 0395 | .0193 | 2083 | 1635 | |
| 300.000 | 6 | | 9000 | | , | | 4 | 3 | | 3 | | } | | : | |
| MACH (7) | • | 2.990 BI | BETA (3 | ÷ | 4.000 a | • | 5.1887 | P1A | 30 | 30.014 | 쉳 | • 4.1200 | 8 | • | .82367 |
| SECTION (| 1) SRM 8005T | 00STER | | | DEPENDE! | DEPENDENT VARIABLE | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | .1013 | . 158 | .1518 | . 22¥0 | .3323 | .4405 | .5±88 | .6570 | . 7653 | .6834 | .9122 | .9555 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | 0060 | .0971 | <u>\$</u> | 0637 | 0503 | 0156 | 0298 | 0227 | 0197 | 0257 | 0480 | 0107 | . 1462 | . 1227 | |
| 22.500 | .0793 | .07a3 | £7.0. | 0512 | 0490 | i buu | 0296 | 0311 | 0214 | 0201 | 0524 | .014E | . 1588 | .1137 | |
| 15.000 | 5460. | .0905 | 9880 | 0509 | 0583 | 0068 | 0225 | 0221 | 0135 | 0176 | 0566 | .0308 | 5471. | . 1601 | |
| 67.500 | | | | 0599 | 0614 | 0181 | 0398 | 0196 | 0185 | 0107 | 0642 | .0366 | 7471. |
9-0- | |
| 90.000 | | 191 | .1157 | 0585 | 0622 | 0268 | 0438 | 0291 | 0220 | 0067 | OE44 | . 05±7 | . 1437 | . 1 + US | |
| 112.500 | | | 1361 | 0330 | 0390 | 0375 | 0502 | 0427 | 9248 | 0:- | 0749 | . 0688 | ₹ <u>2</u> | 1470 | |
| 135.000 | . 1657 | | .1735 | 055 | 0522 | ₹0 | 0568 | 0×88 | 0373 | 0242 | 080- | .0709 | . 1569 | . 1 8 23 | |
| 157.500 | .2212 | 8413. | . 2215 | 0203 | 03+3 | 0324 | 0514 | 0432 | 0369 | 0346 | 0716 | .0314 | . 1832 | 51.5 | |
| 180.000 | . 2573 | | .3035 | 1400. | .0153 | .0097 | 03+5 | .0183 | 0666.6 | 0062 | 0469 | 0:12 | . 1023 | 0075 | |
| 202.500 | 22.45 | . 29 9 • | <u>9</u> | 0108 | 0169 | 0373 | 0265 | . 0260 | 1410. | 0089 | . 1667 | .1264 | .2330 | . 2233 | |
| 225.000 | . 1596 | . 1339 | . 1603 | . 1459 | .0586 | 0856 | 0047 | 5710. | .0086 | 0152 | 0697 | 0055 | .0155 | . 9 796 | |
| 247.500 | | | .3523 | . 25 20 | .0485 | 096 | .0093 | . 2026 | +110 | 0062 | 0327 | 0137 | . bo39 | 6070. | |
| 270.000 | \$ 10· | 0626 | .0766 | . 1321 | 0250 | 1002 | .00±7 | .0036 | 0142 | 00:1 | 9.9993 | 9.9390 | 9.9990 | 9 .5990 | |
| 292.500 | | | .0757 | 0193 | 0502 | 1005 | 0081 | . 0030 | 0133 | 0070 | 0577 | 0093 | . 1373 | C242 | |
| 315.000 | 8800 | | 00:1 | | 11100 | | | 0000 | | | 9000 | 5000 | 0001 | 4 | |
| | 1 | 0 | | * | 1.00.1 | 1.0830 | 20.0. | 0000 | 0.00 | | Undo: | 0,00.1 | . : 6000 | トナナコ・ | |
| 227 500 | 1.80 | . C.30 | 200 | - 0763 | F 100. | 0500 | 10.63 | 0666 | 080 | 0662 | C240 | 5/00 | 0556.6 | 411E | |

| | DATE OS SEP 73 | 87
87 | | | TABLE | TABILATED SQUACE DATA, MSFC THT 567 (1A38F) | RCE DATA | . HSFC 1 | WT 567 (| 143EF) | | | | | PAGE | 333 |
|------------|--------------------------|------------|---------|------------------|--------|---|-----------------------|----------|-------------------|----------------|---------------|--------------|----------|----------------|-----------------|--------|
| | | | | | Ŧ | MSFC 567(1A32F): T9 53/2 53/2 | 327. 19 | 53/2 53/ | 93 | SRM BOOSTER | TER | | (RB2503) | 03) | | |
| | MACH (8) | • | 3.480 | BETA (| 1 | 0 000.4 | • | 5.6920 | PTA | 6 7 | 49.739 | 둱 | 5.3033 | \$ | • | .67267 |
| | SECTION (1) SPM BOOST | B Mass : | DOSTER | | | OCPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| | X/LS | . G-33 | .0722 | . 1013 | . 138 | .1518 | .2240 | .3353 | 5044· | 88
5. | .6570 | . 7653 | .883 | .9122 | 88 | |
| | E E | 9 | Š | Ę | 46.5 | - 0003 | 9 | C720 - | . 1800 | | 72.19 | Letu - | 07.70 | 26.73 | į.
Ā | |
| | 000. | R & | 200 | | | - 0185 | 1800 | 0182 | -,0063 | -,0006 | .010 | . 0259 | 8080 | 4827 | 9 €
1 € | |
| | 45.000 | 0666.6 | 9.9990 | 9.8990 | _ | 9.9990 | 9.9990 | 9.9990 | 9.990 | 9.9990 | 9.9990 | 0395 | 1460. | 1962 | 3742 | |
| | 67.500 | | | .2467 | .0055 | 0025 | .0343 | 0045 | 0126 | 0201 | 0008 | 0503 | .1164 | .2301 | 3282 | |
| | 90.000 | 427S. | .279 | • | | .0031 | .00g | .0000 | 0050 | 0182 | 0087 | 0544 | . 1204 | .2277 | .3173 | |
| | 112.500 | | | • | | .0105 | .0193 | .0075 | .0017 | 0090 | 0043 | 054¢ | .0788 | . 2202 | 3099 | |
| | 135.000 | .3315 | 3305 | · | | .0162 | .0220 | . 0200 | 7400. | 0019 | .0047 | 0611 | .0379 | . 2642
5 | 75. | |
| | 157.500 | .3718 | .3562 | • | | ## CO. | . 9227 | 9810. | 7100. | . 00% | .0122 | 0418
8140 | 5510. | 3646 | 3085 | |
| | 000 - 000
200 - 200 | 3 / OL | 1 8 d d | #105. | 1610. | | 6450 | 07.00 | B 00 - | 0888.8 | 0820. | - C430 | 0000 | 1717 | הפגרי | |
| | 200.000 | X 150 E | 2351 | • | | 1469 | 0115 | 0321 | 00700 | .0151 | 97.10. | 0571 | 0600 | 14.76 | 1530 | |
| | 247.500 | | | 3601 | 2819 | .1176 | 0730 | 0297 | .0128 | .0165 | 5910 | 0612 | .0162 | .0862 | . 1531 | |
| | 270.000 | 1920 | .1592 | .6465 | .4679 | 0660. | 0835 | 0392 | .0152 | .0158 | .0273 | 0487 | .0168 | .0739 | 1540 | |
| | 292.500 | | | . 2642 | 2175 | 5150. | 0862 | 0291 | . 0205 | .0165 | . 0269 | 0463 | 760a. | 8440. | .0428 | |
| | 315.000 | .1585 | 1631. | . 1267 | 5710. | 008t | 0845 | 0405 | .0192 | .0169 | .0185 | 0+39 | .0108 | .2093 | . 0 459 | |
| | 337.500 | ₹2. | . 1129 | .1180 | 0185 | 0213 | 0520 | 0459 | 9.9990 | .0165 | . 0202 | 0382 | .0303 | .2297 | .2388 | |
| | 360.000 | 1961 - | . 1575 | . 1273 | 0374 | 0093 | 6110. | 0347 | . 0051 | .0163 | 7210. | 0327 | .0738 | . 3633 | .3515 | |
| | MACH (8) | • | 3.480 6 | BETA (8 | - (2 | 0000 | • | 5.6920 | PTA | 67 | 49.739 | ٠
ج | 5.3033 | 8 | • | .67267 |
| | SECTION (1) SPH BOOSTER | NO NASCE | DOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| | X/LS | .0433 | .0722 | .1013 | .1158 | . 1518 | .2240 | .3323 | 44.05 | .5±88 | .6570 | .7653 | . B834 | .9122 | .9555 | |
| | Ŧ | | | | | | | | | | | | | | | |
| | 000 | .1353 | . 1089 | 7.60. | . 923 | 0209 | 9212 | 0232 | 0107 | .0078 | .001¥ | 0253 | . 0328 | .2013 | 1790 | |
| | 22.500 | .1377 | . 1252 | .1103 | 035€ | 0280 | 0242 | 0178 | 010₹ | .0085 | .0031 | 0151 | .0572 | 51.5 | .2121 | |
| | 45.000 | 14.7g | 144D | 0 4 6 | 034¢ | 0361 | 0236 | 0185 | \$10·- | 00- | . 0058 | 0324 | 9190. | . 2 169 | \$\tag{X}. | |
| | 67.500 | 660 | 630 | . 1600 | 9020 | 0337 | 0246 | 0212 | 0182 | 0080 | 0100. | 0358 | . 0639 | 1695 | 3/61. | |
| | 112.500 | <u>}</u> | Ì | 2101 | 0222 | - 0242 | 0219 | 0266 | 0303 | 0280 | 0111 | 0517 | 0849 | 1502 | #58
- | |
| | 135.000 | 87.V. | 2460 | £743. | r 040 | 1710 | 0141 | 0148 | 0270 | 0215 | 0141 | 0588 | .0677 | .1867 | .2243 | |
| | 157.500 | .3001 | .2920 | .2916 | .005 | 00+3 | 0043 | 0100 | 0185 | 0090 | 0040 | 0462 | .0200 | 1161. | .2314 | |
| | 180.000 | Z | 3105 | 20. | . 0027 | .0365 | . 0592 | 0175 | 0087 | 9.990 | .0261 | 0513 | - 0009 | .2057 | 2344 | |
| | 202.500 | 8 !
8 ! | 7175 | | 9900. | .0318 | 表
3. | 0222 | 00 4 0 | .0247 | 9610.
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6 6 | 5110. | 7997 | . 2135
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24.7 500 | Š | . KK 13 | 2005 | . E | | BB10 | ייניני י | 1000 | 2500 | 200.0 | - 00 A | | | 1120 | |
| 40 | 270.000 | 72 | 1380 | . 35 A | | 200 | 0839 | 7 E | \$ 10° | 1022 | 0.83 | 0330 | 9910 | | 1116 | |
| ک ` | 292.500 | | | 1803 | 1957 | 52.10. | 0858 | 0182 | 0050 | .0217 | .0193 | 0381 | .0095 | | .0223 | |
| | 315.000 | . 1282 | . 0863 | . 1282 | .0095 | 0188 | 0875 | 0165 | .0024 | .0206 | 9110. | 0401 | ∙900. | .1543 | .0313 | |
| | 337.500 | . 1333 | . 0856 | 7+60. | 0300 | +.0374 | 06¥2 | 0344 | 8.9990 | .0146 | .0125 | 0415 | .003 | | .1519 | |
| | 360.000 | . 1353 | 1088 | .0947 | 9-23 | 0209 | 0412 | 0232 | 0107 | .0078 | *i 00 · | 0253 | .0328 | .2013 | .1790 | |

ORIGINAL PAGE, 13

| SAM BOOSTER |
|-------------|
| 53/2 03 |
| T9 53/5 |
| 56711A32F) |
| MSFC |

| | | | | | 7 | FC 5671 | MSFC 567(1A32F) 19 53/2 53/2 03 | 53/2 53 | | SRH BOOSTER | 5 | | (RB2503) | 13) | | |
|---------------------|--|--|-------|---|--|---|--|---|---|--|--|--|--|---|---|--------|
| HACH (B) • | | 3.480 | BETA | ê | • | \$.000 | o | 5.6920 | PTA | 6
1 | 49.739 | <u>ਦ</u> | 5.3033 | PSA | • | .67257 |
| SECTION (1)59N B00 | 185G | BOOSTER | | | | DEPENDENT | DENT VAR | VARIABLE CP | | | | | | | | |
| X/LS | .9433 | 5210. | .1013 | ŭ | | . 1318 | 0,52. 8 | 3323 | 5044. 1 | .5.68 | .6570 | .7653 | £88. | .9122 | .9555 | |
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F BAY TE (RB2504)

SRM BOOSTER

MSFC 567(1A32F) T9 53/2 53/2 03

PARAMETRIC DATA

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REFERENCE DATA

RUDOER ORBINC 4.9733 -5.000 .140 .000 ALPHA DELTAZ X-SRB 덛 22.012 ₹ · 4.3053 <u>z</u> z z 2.5490 .9720 .0000 6.1980 SD.1N. 5.3130 1N. 5.3130 1N. .0040 SCALE CH L SCALE

17.309 ş \$.000 BETA (1.) 999 •

.9122 .8834 .7653 .6570 .5¥88 .4405 .3323 DEPENDENT VARIABLE CP .2240 . 1518 . 136 . 1013 .0722 SECTION (1) SAN BOOSTER 9.33

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3073 3577 3577 3559 2931 2195 .0985 .0678 .0654 .0637 0684 0630 0317 . 1989 . 2336 . 2513 . 2343 . 1804 . 1240 . 0855 .0004 -.0538 -.0510 .0541 -.0477 -, 372% -, 4329 -, 3130 -, 6457 -, 6457 -, 5308 -, 5308 -.4780 -.4699 -.4878 -.3836 -.3936 -.3599 -.4590 -.415 -.4178 -.0754 -.0459 -.0477 -.0225 .0102 .0324 .0707 .0415 -.0+33 -.054€ -.0770 -. 1028 -. 08±1 .0349 .0050 -.0306 -.0660 -.1113 -.0919 -.0586 9.9990 ..0431 ..0431 ..0420 ..020 .0201 .0201 .0349 -.0973 -.0415 -.0688 -.0983 -.0556 -.0502 -.0413 -.0456 -.0456 .0058 0.9990 .0167 -.1167 -. 1083 -.0768 -.0546 -.0057 -.0004 -.0003 .0003 -.0205 -.0488 -.0806 -.1083 -.1211 -.1004 -.0737 -.0484 -.0360 -.0105 -. 1476 -. 1431 -. 1830 -. 2728 -. 4745 - 150 -.139 -.4750 -.0187 -.0506 -.0816 -.1169 -.1567 -.1785 -.1623 -.1776 -.15*3 -.2635 -. 1953 -.4597 -.9005 -.5425 -.8925 -.6438 -1.0496 -.6296 -.8083 -.8540 -.9006 -.8576 -.9140 -.2333 -1.1957 -.3873 -.4078 -.2600 -.0587 -.1409 .2388 .1967 .1544 .0314 -.1086 -.0782 -.1610 -. 1801 ..0029 -.0207 .0269 0610 .3307 .3099 .2529 90.000 112.500 135.000 1157.500 1187.500 222.500 227.500 227.500 2315.000 337.500 .000 22.500 45.000 67.500

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DEPENDENT VARIABLE CP SECTION (1) SRM BOOSTER

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MSFC 567(1A32F) 19 53/2 53/2 03 SPM B005TER

| | | SECTION (LINEAR BOOKIER | | | DEPENDENT VARIABLE CP | | i
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|--------------------------|--|--------------------------|-------------------------|-----------|--------------------------|------------------------------|----------------------|----------------------------------|-------------------------|-------------------------|--------------------------------------|------------------------|-------------------------|------------------------------------|--------|
| | . 9-33 | .072 | . 1013 | | .151 | . REVO | . 3323 | 804¥. | 8 | .6570 | .7653 | .863 | 2216 | 8. | |
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| MACH (1) • | . 600 | | BETA (3 | | ♦ .000 0 | ٠ | 4.3053 | PTA | 22 • | 22.012 | 젍 | • 4.9733 | 8 | • | 17.309 |
| SECTION (1) SPM BOOSTER | 000 Hax | STER | | | DEPENDEN | DEPENDENT VARIABLE | BLE CP | | | | | | | | |
| אירצ י0 | .0.33 | .0722 | . 1013 | 961 | 9151. | .2240 | .3363 | . 4405 | . 5488 | .6570 | .7653 | .883 | .9122 | .9555 | |
| 176 | | | | | | | | | | | | | | | |
| 630 | 3012 | . 1783 | 1276 | 7009 | 1338 | 1015 | 10€4 | 0800 | 0612 | 0648 | 1.454 | 1611. | .2240 | .081¥ | |
| | | 1670. | 2192 | 7668 | 1835 | 1227 | 1334 | 108⁴ | 0923 | 1022 | 4301 | 6041. | . 2360 | . 1313 | |
| | . 6960· | 0083 | . 2960 | 1719 | 2076 | 1763 | 1486 | -, 1325 | 1155 | 1066 | - 4179 | ₹ 8
2. | . 2210
787 | 000 | |
| 90 630 - 0 | - 02:00 | - 0987 | 3760
3760 | \$ 88° | 1890 | 1416 | 1103 | 0888 | 0754 | 0593 | 4614 | 1367 | . 1823 | .0695 | |
| | | | 3702 | 8135 | 1539 | 1155 | 0833 | 0735 | 0681 | 0485 | 4233 | 1348 | . 1623 | .0567 | |
| | 0145 - | 1127 | 3787 | 8856 | 1431 | 1002 | 0592 | 0592 | 0636 | 0592 | 3823 | *** | . 1622 | BC+0. | |
| | | | 3893 | 7443 | 1490 | 1045 | 0458 | 0378 | 0360 | 0280 | 3680 | . 1729 | 1575. | 7611. | |
| | | _ | 8+04. | 8896 | 1465 | 1510 | 0378 | 0287 | 9.990
9.990 | 0150 | 3578 | .2067 | 3295 | 040V. | |
| | | | | 926 | 3 TO T | 2618 | 0342 | - 0260 | 0160 | 0051 | 3637 | 8C+1. | /6/2. | 750 | |
| | - 6910:- | - 1593 | 5317 | -1.0028 | 9 V | C 25 1 | 0433 | U34c | 9 5 | 1500. | 219612 | 200. | 7007 | 9.5 | |
| 270 000 | 1400 | 3001 | | 7 1 2 1 m | 26.90 | 6863 | 0570 | | 0233 | 0386 | -, 1671 | 0378 | .0523 | .0277 | |
| | } | } | | 7032 | .0531 | . P.90 | 0515 | 0342 | 0160 | .0112 | 2743 | 0305 | .0752 | .0113 | |
| | ±00±. | 3485 | .0232 | 4496 | . 00 95 | 1200 | 0452 | 0388 | 0223 | 0305 | -,5805 | 0195 | .1151 | 0760 | |
| | | 305+ | 0159 | 4594 | 0551 | 0997 | 0651 | 0666.6 | 0332 | 0487 | 4603 | . 0559 | . 1838 | 0059 | |
| 350.000 | 3012 | . 1783 | 1276 | 7009 | 1338 | 1015 | 1024 | 0800 | 0612 | 0648 | 4541 | 1611. | 0422° | .CB1¥ | |
| MACK (2) • | 906 | | BETA (1) | • | م 000٠٠ | • | 7.3613 | PTA | | 22.005 | ž. | • 6.2700 | PSA | • | 13.033 |
| SECTION (1)599 80051 | 1941 1800 | STER | | | DEPENDENT VARIABLE | IT VARIA | BLE CP | | | | | | | | |
| X/LS .0 | .0423 | . O722 | .1013 | . 1150 | .1518 | .2240 | .3323 | .4405 | .5¥88 | .6570 | .7653 | .883, | .9122 | .9555 | |
| Ē | | | | | | | | | | | | | | | |
| • 000 | ₹9+ | .370¥ | Ž. | 7788 | | 0965 | 0622 | . 0290 | .0743 | . 1023 | 5998 | . 1886 | 3309 | . 1686 | |
| | ¥278 | .3279 | . 110 | 9097 | | 1258 | 0761 | .0073 | S++0. | .0507 | 5752 | 1898 | .3383 | 37.46 | |
| • | 3553 | 5.62. | .0768 | 9619 | 0739 | - 123 | 1034 | 03+3 | .0035 | .0072 | 5762 | . 1838 | .3315 | m
M | |
| | | | | - 993¢ | 1348 | - 1691 | - 1354 | 065¥ | 0380 | 0406 | 5470 | 3171. | 3183 | .2617 | |
| | 2267 | ž. | | -1.0418 | 1975 | 1885 | <u>17</u> | 1071 | 0818 | 0813 | 5167 | . 1159 | .2783 | -2052 | |
| | | į | . 0766 | #1/0·1- | 13021 | ייין אַרְינִי | */ BI . | . 1669 | | 0800. | CDQ* | . מבים
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MSFC 967(1A32F) 19 53/2 53/2 03 SRN BOOSTER

BETA (1) . -4.000

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MACH (2) .

| 5 | 10N (1.5PH 8005T | EDSTER | | | OCYCLOS | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
|------------------------|-------------------|---------------|----------------|---------------------|------------------|-----------------------|---------|------------------|--------|--------|---------|----------------|--------|---------------|---|
| X/LS | .0433 | .0722 | . 1013 | . 138 | . 1518 | .2240 | .3323 | 4405 | .5488 | .6570 | .7653 | .8834 | .9122 | .9555 | |
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| 190.000 | Ē | . 6283 | 1410 | 9807 | 4635 | 2805 | 1221 | 1.0448 | 9.9990 | 0069 | 4105 | 5420 | 9750 | 0097 | |
| 202.500 | <u>=</u> | 2600 | | 9465 | 5636 | 3589 | 086¥ | 0307 | 0365 | 0270 | - 4416 | 0440 | 0.87 | 0155 | |
| 225.000 | .120 | .0020 | 2682 | 7575 | 6748 | 4062 | 0839 | 0096 | .0014 | 3. | 4601 | 0842 | .0262 | .0531 | |
| 247.500 | | | 2TT2 | 69ì2 | 6910 | 4060 | 0764 | .0192 | .0350 | .0891 | 3078 | -, 1059 | 0176 | 502 | |
| 270.000 | 2356 | . 33
33 | 2078 | 8074 | 1530 | 4049 | 0517 | .0342 | .0542 | 1255 | 2506 | - 1098 | 1900 | 0001 | |
| 292.500 | | | .3397 | 7×35 | .1466 | 3036 | E ++0 | .0390 | 1970. | 1471 | 10,40 | - 0985 | 7050 | 0,850 | |
| 315.000 | 87.4° | .4810 | 1753. | 8215 | . 195 | 2199 | 1.0444 | .0338 | .0785 | 1342 | 6516 | 6400'- | 2383 | 0375 | |
| 337.500 | . 1950 | .4235 | 191 | 7940 | .0807 | 1773 | 0575 | 9.9930 | .0755 | .1102 | 5543 | .1527 | 3384 | 1267 | |
| 360.000 | 4004 | .3704 | Ž. | 7768 | .0369 | 0965 | 0622 | .0290 | .0743 | .1023 | 5998 | . 1886 | 3339 | .1886 | |
| HACH (2) | • | 98. | BE.A (2) | • | 0 000 | • | 7.3613 | ATA | | 22.005 | 돲 | 6 .2700 | PSA | - 13.033 | м |
| SECTION (1) SPH 80051 | 39 MSC | XOSTER | | | EPENDE) | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .9433 | .0722 | . 1013 | . i : 58 | . 1518 | .22:0 | .3323 | C044. | .5488 | .6570 | .7653 | .8834 | .9122 | . 9555 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | 4600 | .3623 | .1227 | 7983 | 058¢ | 199 | 1116 | 0191 | .0202 | .0223 | E HAS . | 147 | 3115 | 1753 | |
| 22.500 | 35.95 | 2866 | .0613 | 9518 | 1554 | 2286 | 1 1 Mar | 1640 | -,015 | 0323 | 5183 | 2 | 285 | 1866 | |
| 45.000 | ģ. | .2143 | | -1.0368 | 2212 | 225 | 1556 | 0790 | 0517 | 0611 | 5145 | . 1187 | 3 7 | 4122 | |
| 67.500 | | | \$ 3. | -1.(*55 | 2791 | 2306 | 1617 | 0901 | 0701 | 0775 | 4811 | 5711. | .2306 | 1878 | |
| 30.000 | .1626 | 9636 | | -1.0506 | 3250 | 2071 | 1548 | 0840 | 0641 | 0620 | 4405 | .0938 | .2073 | . 1668 | |
| 112.500 | | | | -1.0765 | 3015 | 187≉ | . 1 385 | 9 690 · - | 0454 | 0169 | 4311 | +0€6 - | . 1585 | . 1276 | |
| 135.000 | 8 | 8 | | -1.0658 | #00 4 | 1705 | 1153 | 0480 | 0270 | 0091 | 4466 | 5770. | 14.15 | . 1063 | |
| 157,500 | | 808 | | -1.08-1 | 15.4. | - 18¥0 | B.C3 | 0301 | 0253 | 0148 | 3907 | .0610 | . 121. | . 1027 | |
| 190 000 | 2 | 2 | | -1.7296 | 4580 | 2640 | 0879 | 0185 | 9.9990 | 0180 | 3811 | .0207 | . 0680 | .0590 | |
| 202 200 | <u>s</u> | . 0062 | 1012 | . ¥97 | 5362 | 3482 | 0754 | .0030 | 9400∵ | .0199 | 3865 | .0075 | .0776 | .0855 | |
| 225.000 | . 1216 | .0103 | - 136
- 136 | 7737 | 6629 | *10*. | 0810 | .0145 | . 0213 | .0486 | 4707 | 1.04年 | .0795 | .1798 | |
| 27.500 | | | . 272. | 6957 | 6862 | 4070 | 0816 | . 02!9 | .0350 | .0792 | 3289 | DO+55 | . 0257 | .1879 | |
| 270.000 | 86 | 38 | . 2001 | 8250 | 157B | 4139 | ₹0:0· | .0193 | . 0393 | 1008 | -, 2025 | 1071 | .0122 | .0897 | |
| 285.500 | | | 9 | 7313 | 1456 | 3135 | 0674 | .0317 | .0579 | .1015 | 4282 | 7.60 | 0023 | . 0680 | |
| 3:5.000 | \$ | 3 | S. | 8036 | .1006 | 2512 | 0726 | . 0050 | . 0538 | .0796 | 6021 | 0312 | - 1780 | 0312 | |
| 337.500 | 5503 | £4. | | - 7780 | .0517 | 2217 | 0820 | 9.9990 | 84. | . 0590 | 5131 | 10°. | 34.75 | 2660 . | |
| 350.000 | .¥600 | . 3523 | . 1227 | - , 7983 | 0580 | <u>.</u> | 1116 | 0191 | . 0202 | . 0223 | 5443 | . 1437 | 3116. | .1753 | |

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| | | | | ¥ | MSFC 567(1A32F) T9 53/2 53/2 03 | 3251 19 | 53/2 53/ | | SRM 900STER | 8 3 | | (RB250%) | (\$) | | |
| MACH (2) | • | 998. | 3ETA (3) | • | \$.000 a | • | 7.3613 | PTA | &
• | 22.005 | ٠
و | E.2700 | \$ | • | 13.033 |
| SECTION (1) SPM BOOK | 3 1850 | HOOSTER | | | 30N3430 | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| אירצ | .0433 | .0722 | . 1013 | | . 1510 | .2240 | .3323 | £034. | 883. | .6570 | .7653 | . 883 . | .9122 | .9555 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | #578 | 3530 | 0411 | B3 | 1369 | 3330 | 1522 | 0380 | 0117 | 0127 | 5232 | .0838 | 9015. | 8 -8 0. | |
| 22.500 | 33.50 | 82.Y. | .023 | - 939 | 2662 | 3530 | 1805 | - 000° | 0538 | 0701 | 1664. | 1005 | .2786 | . 1639 | |
| 45.000 | . 2398 | 3 | 939 | - 23
- 23 | 3523 | 3.00 | 1917 | - 19 | 0917 | 0917 | BB64. | .0863 | 1.81 | 5051. | |
| 67.500 | | | 0959 | -1.0775 | 4226 | 2763 | 282 | . : 059 | +.0774 | 0843 | 4615 | ##B3. | ¥ . | 08 | |
| 90.000 | <u>=</u> | .03 <u>0</u> | 1153 | -1.0937 | 3. | 35 | 1494 | 9.0749 | 0463 | 0391 | 4515
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| 112.500 | | | - 1283 | -1.0830 | D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 7. | | | 0.595
5.0.5 | Ucks | | | 2 | 1000 | |
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| 157.500 | C 2 | | Č | +500.1- | 1,47 | 7.190 | 1970 | 200. | 9000 | 0162 | 1207 | 1227 | 3007 | 2939 | |
| | 8 4 | 2 6 | 1614 | 02720 | 500 | 3.03 | 6 | 0.52 | 9910 | .0236 | 4233 | .070 | . 2. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. | .2967 | |
| 900 | | 0600 | 2 | 8275 | 6600 | 4621 | 0615 | .0195 | 54.50 | .0378 | 4831 | 0193 | 1011. | . 2773 | |
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) | 100% | 7311 | 7064 | 4539 | 0825 | .0143 | .0300 | .0656 | 3906 | 1021 | 0012 | .2399 | |
| 270 000 | 3190 | 2628 | . 1839 | 8275 | 1987 | 4500 | 1113 | 0076 | 5450. | .0682 | 2156 | 1156 | | 0+91 | |
| 292.500 | | | 35.76 | 6995 | 9111. | 3819 | 1088 | 0040 | . 0326 | .0489 | 3338 | 1037 | | 0182 | |
| 315.000 | .5563 | 9626 | 2968 | 7465 | .0817 | 3557 | 1611 | 0286 | . 0268 | .023. | 5419 | 0758 | | - 1086 | |
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| 360.000 | .4578 | .3530 | 1140 | 823 | 1369 | 3338 | 1522 | 0680 | 0117 | 0127 | 5235 | . 0838 | .2109 | 6490 | |
| MACH (3) | • | 9 050.1 | BETA () | ₹
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= | -4.000 0 | • | B.4020 | P TA | - 25 | 22.003 | æ | 6.5633 | Ş | • | 1.06+ |
| . XC11035 | 1159H BOOSTER | COSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| | | | | | | | | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | BC : . | . 1518 | .2240 | .3323 | .4405 | .5488 | .6570 | .7653 | £883. | .9122 | .9555 | |
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| 000 | .6070 | .5317 | . 3329 | 5456 | .e15 | 9110 | 0861 | 1595 | .1576 | .2535 | 5718 | .2713 | .4512 | 582 | |
| 22.500 | 5709 | 1,886 | 3088 | 6191 | .1437 | 0158 | - 100
 | 2029 | 1308 | .2003 | 5737 | 3005 | .5
9 | 5365
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| 45.000 | .5163 | <u>.</u> | .2803 | .6349 | 1750. | 0246 | 1279 | 3 6 | 1760. | . 1563 | 5812 | \$05.
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| 157.500 | .2770 | .2135 | .0878 | 7458 | 1.540. | 1193 | 1952 | 1580 | . 0399 | . 1237 | 5203 | .0-59 | .0755 | .0856 | |
| 180 000 | 502. | . 2030 | 6690. | 7502 | 5319 | 2153 | 1468 | 1320 | 9 .9990 | .1147 | | .0342 | CB17 | .0583 | |
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 | 0952 | - 1035 | . 0265 | . 1062 | 4788 | 0017 | 0180. | 4070. | |
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01.10 | # [/] · | |
| 278.000 | ۶/ ۱ ۴ ۰ | Ç | 3636 | / C.S. | 1560 | 2444. | BIS :- | 5000. | 9 | 1 000. | 0663. | 0000 | 10.00 | 3 | |
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| CATE OS SEP 75 | Š. | | | 148 | TABULATED SOURCE DATA, HSFC THT 567 (1A32F) | URCE DAT | A, HSFC 1 | 14T 567 C | 1A32F) | | | | | PAGE 341 | |
|-------------------------|------------|----------|---------------------------------------|--------------|---|------------------------|-----------|-------------------------|----------------|------------------|--------|----------------|-------------------|---|----|
| | | | | ť | MSFC 567(1A32F) T9 53/2 53/2 | A32F) T9 | 53/2 53/ | 8 | SRM BOOSTER | 5 | | (RB2504) | 20 4) | | |
| PACH (4) | • | 8 | BETA (| | ¢.000 | • | 9.2790 | PTA | 22 | 22.005 | 8É | 6.6 800 | PSA 0 | - 6.5353 | 83 |
| SECTION (1) 59N BOOST | 2 | BOOSTER | _ | | DEPENDI | DEPENDENT VARIABLE CP | ABLE CP | | | | | | | | |
| X/LS | .0433 | 5570. | . 101. | 8511. | 8151. | .2240 | .3323 | \$044°. | 9488 | .6570 | .7653 | .883 | .9122 | .9555 | |
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| 22.500 | . 4023 | | - | • | | | | • | 1535 | * CO. | 4859 | .0303 | 1275. | . 2155
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4276 | 5005 5 | - 1390 | - 2553. | | 1522 | #900°- | 4808 | . 0
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| 26. P | 9141 | £15. | • | | | 1928 | • | 1903 | 1252 | .0281 | 4635 | .0336 | 9711. | . 1593 | |
| 112.500 | | | | • | · | | | 1624 | 1385 | .0328 | 4595 | .0399 | .1318 | . 1430 | |
| 135.000 | . 156 | - | | • | · | • | | 1372 | 1439 | 0042 | 1004. | = 5 | -17 ⁶ | . 1562 | |
| 157.500 | . 1333 | | | • | • | | • | 0902 | 0673 | 1.00. | 1.4151 | 5130. | 5. 15.
15. 15. | 7553 | |
| 180.000 | 0.679 | 5591. | | 0.83. | 3336 | - 1 A | 1.009. | 000 | 1989.6 | 5720 | 1004 | 0350 | 2064 | 3595 | |
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8 6 | | 100A | • | • | | | 0359 | 0338 | £60. | 4210 | 0201 | 1001 | 2819 | |
| 20.5 | | | • | • | | • | • | 0396 | 0358 | . 1090 | 3944 | 1179 | 0230 | . 1983 | |
| 270.000 | 2640 | £ 3. | • | • | | | 0717 | 0679 | 0595 | .1318 | 2716 | 1568 | | 0211 | |
| 292.500 | | | .6159 | - 1808 | 961¥. B | | | 1140 | 0418 | . 1331 | 1.4177 | 129£ | | 6000 | |
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| 337.500 | 5256 | . 5958 | .508∗ | | | • | | 6 . 8 | 0650 | 1314 | 4775 | 0007 | | 1120 | |
| 360.000 | . *875 | | 4754. Si | ₹ Ä • | •690· | .0130 | 1346 | 1892 | 1095 | 3 680 . | 4827 | 6830 | . 3205 | ₹
60: | |
| MACH (5) | • | 1.460 | BETA 1 | • | 000. | • | 9.4747 | PTA | - 55. | 22.010 | æ | . 6.5300 | 454
0 | 6.3713 | E1 |
| SECTION (1) SPH BOOSTI | 550 | BOOSTER | - | | DCPEND | DEPENDENT VAR! ABLE CP | ABLE CP | | | | | | | | |
| X/LS | .933 | 5570. 1 | E1013 | 9611. | 9121. | .2240 | .3323 | \$044. | .5¥88 | .6570 | .7653 | . 88 3 | .9122 | .9555 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | Ē. | 5365 | 50 4. E | 1892 | E0733 | 0451 | 0023 | 0582 | 0419 | . 0523 | 3325 | 1 9 €3 | . 2812 | 5944. | |
| 22.500 | . 3593 | | · | • | | | | 0599 | 0530 | 0199 | - WE | 2113 | 827.5 | .5169 | |
| 45.000 | . ye | 8 | 주 :
전 | 2149 | - 1235 | . 1763 | G410 | 7660. | - 1670 | - 0410
- 0806 | 2440 | - 1872 | 66. | 000 F | |
| 90.00 | 8 | 2900 | • | • | • | | | - 1892 | 1733 | 1137 | 3427 | 1876 | 2339 | .3469 | |
| 112.500 | | | | • | | 0947 | ľ | 255 | 1477 | 1204 | 3261 | 1706 | 8455. | .2620 | |
| 135.000 | .1531 | | • | • | • | 1558 | 2193 | 1682 | 1229 | 0870 | . 2925 | 0770 | . 1665 | 9161. | |
| 157.500 | - | | • | • | • | 2025 | | 0887 | - 1055 | 0749 | 2260 | # 00 · | 200 | . 11.16
. 18.00 | |
| 180.000 | 2,80. | C-60- | 5355. C | 2002 | 25.50 | 200 | . OBst. | 7040 | 9.9330
0848 | 0611 | 1,2664 | 0165 | 7060 | .080. | |
| 000 | 62.60 | | | • | ' | - 3829 | | 02t | 0452 | .0567 | 2808 | 0620 | .0690 | .1703 | |
| 27.20 | | | | • | 2674 5 | 4216 | 0105 | 0252 | 1.9.1 | . 0923 | 2207 | 0975 | 0179 | . 1330 | |
| 270.000 | A. | . 6023 | 53.7323 | • | • | • | 0587 | 0857 | 0+85 | .0947 | 1539 | 0963 | 0065 | 0181. | |
| 295.500 | 1 | | • | • | • | . 0021 | • | 074E | 0390 | *S00. | 3347 | 0573 | 68 10. | . 55 le. | |
| 315.000 | .3153 | | • | | 151B | 52:1.
8:19 | +C50 | - 0000 | 1.050 | 1. UCO4 | 1530 | 1000 | 1250
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6.3713 6.3713 3062. 3893. 37-3. #171, 2593. 270. 1890. 1871. 187 ğ Š 2525. 2213. 2213. 2230. 2230. 2230. 2230. 2230. 2200. 2000. .9122 .3307 .3304 .23:0 .1682 .0004 ..6203 751. 7413. 7571. 1618. 1508. 7771. .1676 .2728 .2971 (RB2304) 6.5300 6.5300 .883 -.0540 -.0554 -.0580 -.0580 -.0158 .0523 .0356 .0049 -.0692 -.0592 -.0704 -.0553 -.0912 .8834 .0216 .0503 .0503 .0213 .0213 .0400 .0550 -.0889 -.0751 -.0702 -.0556 -.0493 . 7653 -.3564 -.3581 -.3587 -.2939 -.2934 -.2432 -.2432 -.2596 -.1790 -. 1634 -.3305 .7653 -. 3460 - 3795 - 3336 - 2782 - 2929 - 3036 - 3036 -.3311 -.1950 -.3530 -.3527 -.3725 선 -.1146 -.0999 -.0603 -.0566 -.0685 -.0643 -.0643 .6570 -.0917 .1450 .1294 .6570 .0384 ..0403 -.0713 -.0804 -.0595 . 1051 -.0228 -. 0029 .0200 .0534 .0876 -. 10C4 .1134 . 12% . 1297 . 08% . C39% 22.010 SAN BOOSTER 84. 84. -.1636 -. 1701 -. 1420 -. 1171 -.1714 9.9990 -. 1007 -.0293 -.0358 -.0848 -.0876 -.0611 5488 -.1669 -.2064 -.1856 -.1163 -.0403 9.9990 -.0346 -.0351 -. 1435 -. 1674 -. 1264 -.0628 -.0917 -.1122 PTA .¥503 -.0763 -.1130 -.1350 - . i661 - . i824 - . i081 -.0775 -.0545 -.0587 -.0293 -.0255 -.0297 -.1114 -.1742 -.2264 -.2111 -.0607 £103 -. 1076 -.0997 -.0437 -.0444 -.0396 -.0355 - 141 -.0510 -.0571 9.9990 -.0481 8 MSFC 567(1A32F) T9 53/2 53/2 - 9.4747 .3323 -. 1848 -. 1914 -. 1812 -. 1648 -.0382 -.0386 -.0709 -.0202 -.0488 -.1571 -.0917 -.2329 -.2250 -.2113 . 3323 -. 1297 -. 1236 -.1108 -.1220 -.0636 -.0331 -.0424 -.0821 -.1616 -.1820 DEPENDENT VARIABLE CP -.0571 -.0653 DEPENDENT VARIABLE CP -.0187 .0580 -.0150 -. 1639 -.2737 -. 3634 -.3764 -.1648 . 22.to .2240 -. 1432 -. 3436 -. 1072 -.1114 -.0586 -.1188 -.1223 -.1064 -.1886 -.2899 -.3623 -.3635 -.3563 -. 1048 -. 1044 -. 1555 -.0497 . 1518 -.2463 -.3222 -.4223 -.4667 · 数: -. 1979 -.0186 .1518 -. 1701 -. 2073 -.2183 -. 2298 -.1794 -.2290 -.2513 -. 2334 -. 1268 -.1069 -.2+48 -.2562 -.2715 -.3553 -. 1669 . 155 -.2376 .1178 .000 ₹.000 **9**5 -.1706 -.1939 -.2505 -.2714 -.2853 -.2953 -.3181 -.3647 -.3474 -.0856 -.2896 -.1330 . 158 -.2623 -.0370 -.2232 -.3205 -.3161 -. 3232 -.0918 -.3176 -.3737 -. 0355 -. 1342 -. 1538 -. 1649 -. 3162 -. 3644 â .1013 .5124 .4543 .3818 .3091 .2360 .1870 1987 2029 .1733 .6993 1918 7399 . 1013 .2918 .2135 .1416 .1025 .1168 . 1529 . 1515 . 1358 . 1358 . 1358 . 6705 . 6705 . 6020 . 5562 .0722 .5333 .4102 .3267 .1919 £ % 5893 . i . 68 <u>\$</u> 5839 .3011 .0722 . 3465 . 2387 .0702 .0828 .1219 .1684 .1143 5036 5633 5*20 5508 SECTION 1 DSPN BOCSTER 1358H BOOSTER . **1** . £60 833 2 K. V. . 1535 7190 0719 .0735 .2216 6965 3412 3148 .0433 ₹<u>.</u> 3026 0372 3995 3995 3026 0837 .0053 .0053 188 F 50 10 - 10 M MACH (50 270.000 270.000 282.500 67.500 90.00 12.500 337.500 90,000 112,500 135,000 167,500 167,500 167,500 226,500 226,500 226,500 313,500 337,500 35.000 157.500 160.000 202 500 225.000 315.000 SECT 10N 22.500 45.000 67.500 X/LS

| (1A32F) | SRM BOOSTER |
|------------|-------------|
| 28 | 63 |
| HSFC THT | 53/5 |
| DATA, M | 19 53/2 |
| SOURCE | 567(1A32F) |
| ABULATED S | |
| TABLE | MSFC |

| | | | | • | -t.000 | • | 10.28S | Y | 8 | 28.008 | œ. | - 7.0933 | \$ | • | 3.8560 |
|-----------|-------------------------|-----------|-----------|--------|---------------|-----------------------|-------------------|----------------|---------|-------------------|--------|---|----------------|-------------------|--------|
| SECTION. | SECTION 1 115PM BOOSTER | DSTER | | | DEPENDE | DEPENDENT VARIABLE | BLE CP | | | | | | | | |
| x/rs | .0433 | .0722 | . 1013 | | . 1518 | .22.0 | .3323 | . 4403 | .5486 | .6570 | . 7653 | .6834 | .9122 | 86
86 | |
| Ĩ | | | | | | | | | | | | | • | į | |
| 000 | 98 4 | <u>.</u> | = 7. | 0232 | .0568 | 9¥0. | 9 7 | . 1093 | .0323 | .0372 | 2019 | 0960 | 3 | .4650 | |
| 22.500 | .3630 | .3630 | 378 | 053 | <u>8</u> | .0342 | .093 | .0873 | -· 0148 | 6800 | 2157 | 0738 | .2932 | . £263 | |
| 45.000 | Par. | SE. | 13 | 0633 | - 0088 | .0172 | .056 | .0156 | 0326 | 0201 | 2326 | 0729 | 2246 | 1361 | |
| 67.500 | | | . 3335 | 0789 | 945S | 0038 | ě : | 0317 | - 06+1 | 0663 | 2328 | 0987 | 6802. | 191 | |
| 90.00 | Š. | .2803 | 200 | 0971 | 0760 | 0107 | 0773 | 0662 | 1099 | 1273 | 2321 | 1212 | .1723 | | |
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| 135.000 | ¥15. | 26 | | . 1435 | - 1099 | 0593 | 0786 | - 160 | - 186 | 0797 | 2079 | B5::- | CD01. | A 1016 | |
| 157.500 | SZ. | . 1431 | <u>.</u> | - 1568 | 0965 | 0698 | 1369 | 1787 | 0830 | 0875 | 1831 | 0720 | . 6636
5636 | 100.5 | |
| 180.030 | . 155 | 752 | . 1570 | 1172 | 0761 | 087 | 1872 | 1217 | 9.9990 | 1319 | 2099 | - 1000
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| 225.000 | .0920 | . 1239 | 3399 | 1302 | - P45 | . 2691 | 15%2 | .0053 | 6410 | B000. | 983 | 950 | | | |
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| 270.600 | 52× | .4313 | 7 | .2135 | I.ES | 2822 | 1100 | .0438 | . 0035 | 0136 | 1523 | . 0498 | 0192 | £ ₹ . | |
| 292.500 | | | .9792 | .2075 | 0759 | 1191 | . 0939 | .0827 | .0451 | . 9218 | 1620 | .0128 | 9401. | 1036 | |
| 315.000 | Ď. | 3750 | 7827 | •060` | 0328 | . 0806 | ₹
- | .0810 | .0465 | .0750 | - 1895 | ** 10 · - | 1961 | .0582 | |
| 337.500 | 3108 | 3501 | .6732 | .0533 | . 0694 | .1927 | 552 | 9 .9990 | ある。 | .0¥39 | 1923 | - <u>- 2</u> | .2297 | .3351 | |
| 360.000 | 3465 | .3571 | 113. | 0232 | .0568 | .0349 | .1138 | . 1093 | .0323 | .0372 | 2019 | 0960 | 1640 | . 4650 | |
| MACH + B) | • | 1.960 68 | BETA (2) | • | 000 | • | 10.232 | PTA | 8 | 28.008 | æ | 7.0933 | A S4 | | 3.8560 |
| SEC710N (| (1) SPH BOOSTER | IOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| S 17 X | 5 | 6200 | £101 | 95 | 9151 | 0762 | 3323 | 1011 | 5488 | .6570 | .7653 | .883 | .9122 | .9555 | |
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| 90.090 | .2087 | 2068 | .2161 | 1275 | - 1090 | . 9.23 | 0672 | - 1245 | 1369 | 0998 | 2166 | 1085 | .1706 | .1538 | |
| 112.530 | | | 1.750 | 1841 | 1283 | 0723 | 649 | 1406 | 0850 | 0711 | 1846 | 039+ | 9641. | . 1565 | |
| 135.000 | 1550 | . 1423 | . 1363 | 1617 | 1206 | 0622 | 0839 | 1172 | . 0480 | 0671 | 1508 | . 0072 | 5711. | ==== | |
| 157.500 | . 1213 | 82 | 1228 | 1769 | 1089 | 0801 | 1122 | 0520 | 0334 | 0670 | 1893 | ₹;00°. | 1011 | Ž. | |
| 160.000 | . 0959 | .1071 | . 1632 | 1172 | 1000 | 1037 | 1183 | 0259 | 9.9990 | 0259 | 1923 | 0289 | . 15to | .097 . | |
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| 225. L70 | <u>-</u> 80. | 1360 | . 343G | 1243 | 22 B | e773 | 1381 | .0185 | 0012 | 0079 | 1833 | 0278 | .0798 | .0989 | |
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| X//S | .0.33 | .a722 | . 1013 | <u>.</u> | . 1518 | . 22v0 | . 3323 | .4408 | £88
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| MACH (7) | • 2.990 | | (L) V138 | • | D 000 7 | • | 5.1873 | PTA | • 30 | 30.007 | ਛ | • 4.1200 | | • | .62900 |
| SECTION 1 158M BOOSTER | 08 WSCI | OSTER | | | 30N3430 | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/ES | .0433 | . 0722 | £101. | .1158 | . 1518 | .2240 | .3323 | \$ 0.00 mg. | .5488 | .6570 | . 7653 | .683∗ | . 9122 | 5553. | |
| Ĩ | | | | | | | | | | | | | | | |
| 000 | 38% | 3441 | 3199 | .0073 | .0468 | . 0215 | 1284 | .0513 | .0405 | .0163 | 0539 | .0116 | S. S. S. | . 1872 | |
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| | 3330 | .337 | 3296 | .0073 | .0061 | 9.9990 | . 0281 | .0218 | .0005 | 0139 | 0685 | .0015 | . 25±0 | . 21 BB | |
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(PB2504) HSFC 567(1A32F) 19 \$3/2 53/2 03 S9N BOOSTER

| Color 11594 10512 10512 1510 1520 1322 10402 | 1.0 1.10 1.0 | - 12 - FOW | | 2.800 | META (2) | • | 0000 | • | 5.1073 | ATA | 8 | 30.007 | æ | • 4.1200 | 2 | • | 200 |
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| 500 200 <td> 1.00 </td> <td>Ĩ</td> <td></td> <td>ŝ</td> <td>}</td> <td>\$</td> <td></td> <td>į</td> <td>ğ</td> <td></td> <td></td> <td>9</td> <td></td> <td>r d</td> <td>:</td> <td>ğ</td> <td></td> | 1.00 | Ĩ | | ŝ | } | \$ | | į | ğ | | | 9 | | r d | : | ğ | |
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| . 1872 1816 1793 0w20 0w31 07w8 0811 0968 06*w 0289 0849 0 | . 1872 1816 1793 0729 0739 0739 0739 0811 0969 0544 0269 0545 0818 0818 0849 0729 0 | | . 2352 | <u>5</u> | .2169 | 0287 | 0130 | 9.9990 | 0149 | 0533 | 0500 | 0590 | 0849 | 0599 | | .0093 | |
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| .0791 .0703 .0873 .0894 .0894 .0894 .0795 .0997 .0993 .0997 .0998 .0997 .0998 .0997 .0998 | . 0731 . 0763 . 0764 . 0763 . 0543 . 0563 . 0654 . 0755 . 0654 . 0755 . 0657 . 0757 . 0765 . 0757 . 0765 . 0757 . 0765 . 0757 . 0765 . 0757 . 0765 . 0757 . 0765 . 0757 . 0765 . 0757 . 0765 . 0757 . 0765 . 0757 . 0765 . 0757 . 0765 . 0757 . 0765 . 0757 . 0765 . 0757 . 0757 . 0765 . 0757 . 0758 . 0757 . 0758 . 0757 . 0758 . 0757 . 0758 . 0758 . 0757 . 0758 . | 000.00 | <u>x</u> | 961. | 200 | | USI 0 | 2000 | 2000 · | C/ 85 - | 96.0 | - 0830 | 0304 | | | | |
| . 0757 . 0867 . 098108690654 . 0614065906100714049509340423154406750891089001840673083408900184083408340834083408340834083408340834083408340893083408340835017008110893039601100875020402050170081102930205020402060214010109790249025611510550115105500114010709790249025502140114097902490249024902490255025502550249024902490249024902490249024902490249025502550249024902490249024902490249024902490249024902400340 . | .0573 .0867 .0869 0668 0669 0669 0679 0699 0669 0679 0699 0679 0699 0699 0679 0699 0799 | 000 551 | 1970 | 6370 | 8,49 | 1000 | . 0703 | . 0543 | 0650 | 0755 | 0.00 | 9.60 | 1050 | 65.19 | • | 8 | |
| 6679 0477 0295 0894 0193 0834 0834 0803 9:999 0181 0997 0893 0794 078 0103 0207 0207 0811 0293 0293 0293 .6608 .0556 .0794 0746 1151 0670 0207 0817 0294 0254 0256 .1014 .1697 0746 1151 0670 0114 0107 0979 0256 0114 0107 0979 0256 .1014 .1691 9556 .2716 .0474 0114 0219 0979 0979 0979 0119 0219 0979 - | 6679 0477 0296 -0394 -0101 -0299 -0101 -0299 -0294 -0299 -0293 <th< td=""><td>157 500</td><td>7570</td><td>0827</td><td>6.6</td><td>- 080÷</td><td>0666</td><td>0614</td><td>0659</td><td>0510</td><td>0714</td><td>.C.93</td><td>093</td><td>0423</td><td></td><td>86</td><td></td></th<> | 157 500 | 7570 | 0827 | 6.6 | - 080÷ | 0666 | 0614 | 0659 | 0510 | 0714 | .C.93 | 093 | 0423 | | 86 | |
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| . 1303 60-0 6760 7010 #110 5251 7311 7540 1111. 1570 6260 1111. 1570 6260 7010 #101 #1 | . 1307 - 1305 - 1307 - 1625 - 1017 - | 225 000 | 809 0' | 9550 | .079¥ | - 0476 | | 1268 | 1151 | 0670 | 0055 | 0170 | 0875 | +.627 | 90
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| 000 .2189 .2204 .3531 .0336 .0597 .0854 .0878 .0856 .050008440505 .050
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| SEC11738 | 11599 B005TE | DOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | ABLE CP | | | | | | | | |
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į | 10 | 6722 | . 1013 | 8611 | .1518 | 043 | . 3323 | 5044 | 8 | .6573 | .7653 | -£593- | 3.22 | | |
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| | (RE2504) |
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| (1) 32F) | SAM BOOSTER |
| TABULATED SOURCE DAILY, MSFC THT 567 (1/32F) | MSFC 567(1A32F) T9 53/2 53/2 03 |
| DAT: 0 = 75 | |

.0308 .0135 .0135 .0135 .023 .023 .023 .023 .035 .035 .035 .0308 PSA .0080. -.0307. -.0307. -.0330. -.0351. -.0351. -.0350. .0090. .0057. .0057. .0057. .0057. .0057. .0057. .0057. .0057. .9122 3.3300 - 0503 - 0422 - 0483 - 0483 - 0506 - 0571 - 0571 - 0199 - 0199 - 0256 - 0348 - 0361 - 0361 .8834 ...0510 ...0602 ...0703 ...0719 ...0767 ...0539 ...0530 ...0330 ...0537 ...0530 .7653 .6570 50.012 5488 +(10,1) - .0303 - .0503 - .0503 - .0503 - .0503 - .0608 - .060 1105 . 3323 DEPENDENT VARIABLE CP 9.9990 9.9990 .0311 .0193 -.0337 -.0337 -.0794 -.0869 -.0869 -.0819 -.0819 -.0819 -.0819 .2240 9410. - 0303 - 0401 - 0403 - 0403 - 0500 - 0500 - 0403 - 0500 - 0500 - 0500 - 0500 - 0500 - 0500 - 0600 - 0630 - 0630 - 0630 - 0630 - 0630 - 0630 - 0640 - 0630 - 0640 - 0630 - 0640 1518 4.009 -, 00033 .1158 3 . 1013 .0722 .0594 .0594 .0572 .0599 7171. . 1928 . 2409 . 2632 . 1652 . 2:37 . 1683 5701. SECTION (1) SPH BOOSTER .2433 2820 2820 2840 1940 5701 0832 0826 0829 0809 0856 1219 2991 2991 2920 MACH (B) 22.500 90.000 90.000 1112.500 135.000 157.500 157.500 225.500 275.500 275.000 275.000 275.000 275.000 275.000 315.000 Œ

| DATE OS SEP 75 | e
B | | | TABUL | TABULATED SOURCE DATA, MSFC THT | RCE DATA | , MSFC TI | NT 567 (1A32F) | (435£) | | | | | PAGE | 8 |
|---------------------------------------|-------------------------------------|-------------------------|------------------------|---------|--|-----------------------|----------------|----------------|------------------|-------------------------|-------------------|-------------------------|-----------------------------|--------------------------|------------------------|
| | | | | Ā | MSFC 967(1A32F) 19 53/2 53/2 03 U5 3RM BOOSTER | 32F.) T9 | 53/2 53/1 | 50 E0 a | 15008 Hat | 5 | | (RB2505) | _ | 2 APR 7 | ~ |
| | REFEREN | RENCE DATA | 2 | | | | | | | | • | PARAMETRIC DATA | DATA | | |
| SPEF .
LAEF .
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SCALE . | 6.1980 SQ
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.500 |
| HACH (1) | • | .600 | ALPHA (1) | • | -8.000 Q | • | 4.3384 | PTA | • | 22.009 | ٠
خ | 4.9920 | 8 | • | 17.268 |
| SECTION (1)58N B005 | B MASS | 00STER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | . W. | .1013 | .1158 | . 1518 | . 2240 | .3323 | .4405 | £. | .6570 | .7653 | .883÷ | .9122 | 5556 | |
| ā | | | | | | | | | | | | | | | |
| 000 | .¥223 | 3005 | 1.00 | 9H17 | 0640 | 0804 | 0600 | -,0373 | 0130 | 1710 | 6478 | 9960 | 1671 | 0420 | |
| 22.500 | 6 08. | . 1813 | 1200 | 6567 | 1392 | 1387 | - 198
- 198 | 1070 | 44.C. | 040 | 8419 | 1350 | . 255
245
245 | 1630 | |
| 45.000 | .1667 | ASO. | 25.2. | - 7950 | 0/07: | - 2325 | 2179 | 1970 | - 1866 | 1860 | 5500 | .082 | .1758 | 9001 | |
| 90.08 | 0447 | 1298 | - 3961 | 919 | 2703 | 2448 | 2221 | 1986 | 1810 | 1662 | 4781 | .0529 | .1255 | .0397 | |
| 112.500 | | | 4185 | 8657 | 2453 | 2251 | 1927 | 1602 | - 1259 | 0947 | 9.4676 | .0433 | . 9872 | 0022 | |
| 135.000 | 0878 | 1814 | 4218 | 8229 | 2001 | 1892 | - 1415 | 1098 | 0888 | 0718 | 4827
5016 | 93.0 | 05/00 | - 1 553
- 1253 | |
| 157.500 | 0862 | . 1835 | 2484 | 8314 | 1.17.7 | - 1556 | 10848 | -, 0933 | 9.9990
9.9990 | 1278 | 5548 | 0032 | • | -039 | |
| 262.500 | 1314 | 2671 | 5155 | 8328 | | 3439 | 0510 | 0462 | 0468 | 0358 | 7258 | 0029 | .0785 | .0365 | |
| 225.000 | - 169 | 3372 | 6535 | 9061 | | 4699 | 0319 | 0262 | 0233 | . 0028 | 5329 | 0515 | .0785 | 1386 | |
| 247.500 | | | | -1.0560 | 3607 | 40 4 . | 0240 | -,0263 | 0216 | .0288 | 3197 | 0705 | | <u> </u> | |
| 270.000 | -· 0048 | 0935 | | -1.1551 | 5147 | 4530 | 0589 | 0380 | 0351 | #6#0. | 303c
- 7457 | 0588 | 98.13 | 0457 | |
| 292.500 | 6 | 1002 | 0180. | X 00. 1 | 999A. | 2 CF RO. | 2000 | 0208 | 040 | . 0626 | 7008 | 0232 | | 1013 | |
| 337.500 | 4766 | 3905 | 100 | 3788 | .0239 | 0482 | 004 | 9.9990 | .0308 | .0412 | 6341 | .0534 | | 0553 | |
| 360.000 | .4225 | 3005 | 0071 | 5447 | 0640 | +060∵- | 0600 | 0373 | 0130 | 0171 | 6478 | 9960. | 1671 | .0450 | |
| MACH (1) | | .600 A | ALPHA (2) | | -5.000 0 | • | 4.3384 | PIA | સું
• | 5.009 | *
æ | 4.9920 | Ş. | • | 17.268 |
| SECTION (1) SPH BOOSTER | 1) SSP 10 | DOSTER | | | DEPENDE | DEPENDENT VARIABLE | BLE CP | | | | | | | | |
| \$1/X | . 3,33 | .0722 | . 1013 | . 1158 | .1518 | .2240 | .3323 | 4405 | .5±88 | .6570 | .7653 | .8834 | .9122 | .9555 | |
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| 000. | ŘŘ. | .2230 | 0813 | 6497 | 0657 | 0813 | 0457 | 0213 | .0082 | 96.
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| 22.500 | 180.
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פרוט | F051 | |
| 45.000 | | .0708 | 1.22 | 7.66. | 1709 | 10.21. | 1153 | | 0862 | 0888 | 1,4980 | 1299 | 2109 | .1112 | |
| 90.00 | 5 | \$ 5° | 3256 | - 8546 | 1769 | 1407 | 1139 | 0967 | 0847 | 0829 | 4544 | .1158 | .2013 | ¥#60. | |
| 112.500 | | | 3399 | 8158 | -,1587 | 1271 | 0960 | 0.0770 | 0598 | 0463 | 4201 | .1013 | .1677 | .0728 | |
| 132.000 | .00· | 0992 | 3604 | 8064 | -, 1430 | 167 | 077¢ | 0655 | 4740 | 0312 | #M## | .0938 | 5/cl. | | |
| 157.500 | 8500. | 1017 | .3790 | 9013 | 1409 | - 1129 | 0550 | 0405 | 0359
o | | - 477 | .0803 | .0720 | 9550. | |
| 180.000 | COURS | <u>C</u> | 4004 | 2609. | 1283 | 96.9 | 0450 | 0210 | 0137 | . 0025 | 5807 | .0093 | .0623 | .0543 | |
| 225.000 | 0128 | 1704 | 5336 | 6+06 | 1643 | 460) | 0224 | 0140 | 0032 | .0264 | 4952 | 0267 | .0553 | . cee5 | |
| 247.500 | : | | | -1.0989 | 2403 | 4695 | 6224 | 0150 | 0006 | .0520 | | 0554 | | 5860. | |
| 270.000 | .1529 | . 087 | 2283 | -1.1473 | 2463 | 86×4·- | 0439 | 0186 | 0007 | .0797 | 2926 | 04 0 1 | | 0୯57 | |

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| DATE 05 SEP | ĸ | | | TABAL | TABULATED SOURCE DATA, MSFC THT | RE DATA | , MSFC TI | HT 567 (1A32F) | (432F) | | | | | PAGE | 340 |
|--------------------------|----------------------------|--------|------------|----------------|---------------------------------|-----------------------|-----------|--|-----------------|-----------------|----------|----------------|------------------|----------------|--------|
| | | | | ¥\$ | C 567(1A) | 13F) 19 | 53/2 53/ | MSFC 567(1A32F) 19 53/2 53/2 03 US SRH BOOSTER | 3RH B0051 | E B | | (A82505) | 32) | | |
| MACH (1) • | | .600 A | ALPHA (2) | • | -5.000 | | | | | | | | | | |
| SECTION (1) SPM BOOSTER | 38 MSC | XOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | .1013 | .1158 | .1518 | .2240 | .3323 | £403 | 88
40
7 | .6570 | .7653 | .6834 | .9122 | .9555 | |
| 3 | | | 7250 | AF05 - | 0.767 | 8292 | - 0099 | 6800 | .0356 | 1660. | -,6970 | 0428 | .0256 | 0370 | |
| 315.000 | .3734 | .3186 | .006 | 5399 | - 5 | 1040 | 4100. | .0177 | .0497 | .0857 | 6540 | 005 6 | .2016 | 0970 | |
| 337.500
360.000 | ₩.
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1389 | . 2230 | 0152 | 5468
6497 | 0059 | 0680 | 0136 | 9.9990 | .0082 | .0192 | 5843 | .1089 | .1891 | 0619 | |
| MACH (1) • | | .600 A | ALPHA (3 | •
6 | 0000 | • | 4.3384 | PTA | - 55. | <i>22</i> . 009 | •
ਛ | • 4.9920 | PSA | • | 17.266 |
| SECTION (1)SPN BOOSTER | 38 HB/S (1 | DOSTER | | | DEPENDENT | NT VARIABLE | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | .1013 | .1158 | .1518 | .2240 | .3323 | .4405 | 5+88 | .6570 | . 7653 | .8834 | .9122 | .9555 | |
| Ē | | | | | | | | | | | | | | | |
| 000. | . 2049 | 0460. | 2095 | 8002 | 0922 | 0694 | 0356 | 0050 | .0395 | .0756 | 5317 | E | 1991 | .026v | |
| 22.500 | 1921 | .0713 | 2275 | 7978 | 3.60 | 0569 | 0338 | 0060 | .0351 | .0521 | 5002. | 1351. | * A. | 2561. | |
| 45.000 | 9 6.
₹ | 9430. | | 7618
- 7946 | - 1020 | 035
50 | 9050 | 0051 | 0216 | .0363 | 1124 | 1739 | 2,469 | | |
| 000.06 | 1229 | 1610. | 9.73 | 7982 | 1088 | 0541 | 0249 | 0076 | .0137 | .0266 | 3684 | 1799 | .2387 | . 1219 | |
| 112.500 | : | | 2809 | 6082 | 1127 | 0+98 | 0205 | 0068 | .0138 | . 0266 | 3387 | . 1870 | .2497 | . 1311 | |
| 135.000 | .1213 | 3410. | 2818 | 1947 | 1109 | 5.0472 | 0170 | 0078 | . 0145
00.00 | .0301 | 3516 | . 1766 | . 2559.
4059. | 5141. | |
| 157.500 | 35. | 2600. | | CC 40 | . 1633 | \$ 000 · | | 1.0033 | 0000 | 757 | יינילא ו | יייני. | 1.0 | 1278 | |
| 190.500 | 15.00 | 8710 | 3185 | 8915 | 1305 | 0908 | 0248 | £00 | •600· | .0365 | 5032 | .0379 | ₩60. | .1161 | |
| 225.000 | <u>.</u> | .0513 | 3479 | 9823 | 1323 | 1416 | 0303 | 0023 | .0182 | . 0569 | 4871 | 9006 | .0769 | ₩ 2 60. | |
| 247.500 | | | 3077 | -1.1350 | 0913 | 2825 | 0240 | .000S | .0280 | .0872 | 2852 | 0346 | .0617 | - 10 <u>2</u> | |
| 270.000 | .2753 | .2341 | 0513 | -1.1443 | 50.
60.
60. | 3779 | 0311 | 5100. | .0387 | 1411. | 2407 | 0210 | 6537. | \$ 25. I | |
| 21, 200 | 2078 | 100 | 57. | 0100 | D/ FO | 000 | - 0232 | 6010 | . 0585 | . 1233 | . 5658 | 02.40
03.40 | | 1080 | |
| 437.500 | 283 | 1,52 | . 1726 | 7704 | 0600 | 0631 | 0241 | 9.9990 | .0561 | 6011. | 5179 | -680. | | 0625 | |
| 350.000 | .2049 | 0.09 | 2095 | 8002 | 0922 | 0694 | 0356 | 0050 | .0395 | .0756 | 5317 | . 1143 | .166! | .0264 | |
| MACH (1) | | .600 A | ALPHA (4) | • | 5.000 0 | • | 4.3384 | PIA | • 22· | 22.009 | ਦ | • 4.9920 | A2 | • | 17.266 |
| SECTION (1) SPH BOOSTER | 28 #850 | NOSTER | | | OEPENDES | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | 5210. | . 1013 | .1158 | .1518 | .22v0 | . 3323 | 5044. | .5±88 | .6570 | .7653 | . 8834 | .9122 | .9555 | |
| Ē | | | | : | 1 | | • | į | | | • | | ; | 6 | |
| .00 | | | 32.0 | - Bit | 0089 | 0546 | 0161 | 5 | .0732 | 1232 | 2 | | 35. | 50 E | |
| 22.500 | | | - 3208 | 5916 | 1060 | . 0489
 | 0188 | A : | .060 | 9531. | 5004. | £ : | 26 C | ECBD. | |
| 45.000 | .0726 | 0227 | 3117 | . 8520 | 0905 | 0472 | 0229 | 1100. | 844D. | . UB/3 | 58UB | <u> </u> | 5/12. | 2170 | |
| 67.500
on one | 7.500 | - 0F13 | | 7822 | 1103 | 0652 | 0376 | 0203 | .0173 | .0650 | -,3166 | 1629 | . 25.53 | . 3876 | |
| 112.500 | | | 2338 | 8950 | - 1:48 | 0538 | 0373 | 0263 | .0039 | .0477 | 314° | 1953 | .2577 | 1.378 | |
| | .1796 | 0170. | 2226 | 8218 | 1685 | 0580 | 0339 | 0273 | .0022 | . 3365 | 3.52 | £ | in
m | . 1873 | |
| | .¥08 | . 1217 | - <u>1</u> | -,7825 | 0991 | 0374 | 0144 | 0009 | .0170 | .0458 | -, 3952 | 6502. | .3297 | .2179 | |

DATE OS SEP 75

.600 ALPHA (%) = 5.000

MACH (1) =

(RB2505)

TABULATED SOURCE DATA, MSFC TWT 567 (1A32F)

MSFC 56711A32F) T9 53/2 53/2 03 U5 SRH B00STER

| SECTION | SECTION (1)5PM B0051 | DOSTER | | | CEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
|-----------|-----------------------|-----------|-----------|---------|---------|-----------------------|--------|-----------|------------------|--------|---------|----------------|----------|--------|--------|
| X/LS | .0433 | .0722 | . 1013 | . 1158 | .1518 | .2240 | .3323 | .4405 | 2480 | .6570 | .7653 | .6834 | .9122 | .9555 | |
| Ē | į | | • | Š | Ş | e e | 6 | ř | 8 | | 961 | 9941 | á | i
c | |
| 180.000 | | 500 | . 1203 | . 1000 | 2000 | 1 |) non- | 5110 | 3.3330 | 0.00 | . 4000 | 9 | F003. | 100 | |
| 202.500 | 3256 | . 2038 | 1355 | 7704 | 0546 | 0373 | .0087 | . 0232 | =
-
-
- | .0682 | 5079 | . 0956 | . 1768 | . 1931 | |
| 225.000 | .3398 | ď. | - 1224 | 8165 | 0226 | 0683 | 900. | . 02¥9 | .047ë | .089₹ | 4566 | .0169 | | .1574 | |
| 247.500 | ٠ | | 0567 | 7872 | .0687 | 1516 | .0086 | . 0285 | .0648 | 122 | P.55 | 0285 | .0795 | .1459 | |
| 270.000 | .2638 | .2156 | 0775 | -1.2133 | .0386 | 3862 | 0161 | . 0232 | .0765 | .1456 | 1786 | 0151 | .0759 | .0456 | |
| 292.500 | | | 383 | -1.0614 | 0916 | 4307 | 0143 | .0309 | .0945 | 1669 | 4199 | .0060 | .0935 | 0110 | |
| 315.000 | ¥ | 0156 | 3852 | 9077 | 0936 | 2084 | 0126 | . 0328 | 1660. | .1610 | 4617 | .0×7. | 3115. | 0966 | |
| 337.500 | 6160. | 0236 | 3169 | 8159 | 0811 | 0992 | 0162 | 9.9990 | 7160. | .1578 | 4350 | . 0965 | .1787 | 0613 | |
| 350.000 | .0650 | 0323 | 3210 | 8445 | 0889 | 0648 | 0161 | ₹
610. | .0732 | .1232 | 47.14 | . 1051 | . 1435 | .0123 | |
| MACH (1) | | .600 | ALPHA (5) | • | 0.000.0 | • | 4.3384 | PTA | = 22.009 | 600 | -
ਵ | 4.9920 | 8 | • | 17.268 |
| SECTION | SECTION (1) SPH BOOS | OOSTER. | | | OEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | . 158 | .1518 | .2240 | .3323 | 4405 | .5488 | .6570 | .7653 | .883 | .9122 | .9555 | |
| Ē | | | | | | | | | | | | | | | |
| . 900 | 0151 | 1071 | 3712 | 7¥88 | 0983 | - 1041 | 0185 | ¥.10. | .0726 | . 1330 | 4214 | .1032 | 1571 | .0327 | |
| 22.500 | 0135 | 1002 | 3599 | 8308 | 0958 | 0757 | 0320 | 0076 | .0289 | .0722 | 3871 | . 1244 | .2026 | .0876 | |
| 45.000 | 0205 | 1045 | 3515 | 7+86 | 1135 | 0845 | 0578 | 0227 | . 0263 | .0767 | 3743 | . 1166 | 1319 | 0117 | |
| 67.500 | | • | 3457 | 7752 | I¥90 | 1123 | 0853 | 0476 | 1610. | .0836 | 3645 | . 1264 | .1355 | 005¥ | |
| 90.000 | . 0203 | 0637 | 3246 | 8023 | 1728 | 1321 | 1079 | 0834 | 0234 | .0697 | -, 3596 | ±5±1. | . 1666 | 0420. | |
| 112.500 | | | 27g | 8585 | 1746 | <u>.</u> | 1061 | 0924 | 0511 | . 0222 | -, 3333 | . 1695 | .2191 | .0829 | |
| 135.000 | Ĕ. | .0731 | 309 | 7532 | 1479 | 1036 | 0874 | 0826 | 0484 | .0045 | 3708 | 1989 | .2387 | -15g | |
| 157.500 | .2880 | 1671 | 1350 | T#11 | 1121 | 0597 | 0437 | 0317 | 0136 | .0233 | 3945 | 5,15. | . 3242 | .2135 | |
| 160.000 | .3760 | 85.
7. | 0723 | 6644 | 0£85 | 0320 | 9,00. | .0165 | 9.9990 | .0611 | 420B | ₽ <u>-</u> 61. | . 2973 | .2*B6 | |
| 202.500 | .4178 | .3039 | 0221 | 6305 | 0092 | 0213 | .0338 | 943. | . 0583 | .0928 | -,4879 | . 1503 | .2240 | . 2439 | |
| 225.000 | .4038 | 3295 | .0021 | 5779 | .0259 | 0626 | .0413 | .0516 | .0704 | .156 | 5276 | 0440. | . 1620 | . 1928 | |
| 247.500 | | | .0315 | 6+92 | . 0883 | 2018 | .0312 | .0423 | .0807 | .1600 | 2770 | 0220 | .0879 | .17;3 | |
| 273.000 | .1753 | . 105 | | -1.0736 | 1496 | 3976 | 0222 | . 0226 | .0913 | . 1859 | 1507 | 3060 | 0180. | .0336 | |
| 292.500 | | | • | -1.0432 | 1799 | 4176 | 003⊬ | .0345 | . 1053 | . 1762 | 3730 | .9± | . 6956). | 0029 | |
| 315.000 | 0224 | 1607 | 4848 | 8225 | 1115 | **!* | .0018 | .0371 | 9601. | 9691. | 4010 | .0427 | . 1669 | 1010 | |
| 337.500 | | - 1299 | 3842 | 7936 | 0691 | 2110 | | 9.9990 | . 1067 | .1710 | 9604 | 0160. | . 1603 | 05 02 | |
| 350.000 | 0751 | 1071 | 3712 | 7488 | 0993 | - 1941 | -,0185 | ₩210. | .0726 | . 1330 | #: UF | .1032 | 1521. | . 0327 | |

7. 1

| DATE OS SEP 75 | K | | | TABLE | ATED SOUR | RCE DATA | , HSFC Th | TABULATED SOURCE DATA, MSFC TWT 567 (1A32F) | A32F) | | | | | PAGE | ន្ត |
|---|---------------|---------------|------------|----------------|------------------------------|--------------------|-----------|---|-------------|-----------------|------------|---------------------|---------------------|------------------|--------|
| | | | | Ā | MSFC 567(1A32F) T9 53/2 53/2 | IZF) T9 (| 53/2 53/5 | 03 05 | SAM BOOSTER | E 3 | | (RB2505) | ŝ | | |
| MACH (2) . | | , 006. | ALPHA (1) | • | -8.000 0 | | 7.3718 | PTA | • 25. | 25.012 | ٠
چ | 6.2720 | PSA | • | 13.023 |
| ECT10N (1)SPM B005TER | ESC. | 300STER | | | DEPENDENT | UT VARIABLE | BLE CP | | | | | | | | |
| X/LS | .0433 | <i>521</i> 0. | .1013 | . 158 | .1518 | . 2240 | .3323 | .4405 | .5±88 | .6570 | .7653 | .8834 | .9122 | .9555 | |
| Ē | | | | i | 9 | 2183 | <u> </u> | 0620 - | .0205 | 5140. | 6591 | 0089 | . 1228 | .0365 | |
| | .5518 | | 2681. | 7172
- Busi | 000. | 30 mm | £ . | | 0480 | 0501 | 6476 | .0593 | +061∶ | .1515 | |
| | 3864 | 318. | • | 9450 | 3602 | - J#73 | 2465 | | 1274 | 1193 | 6575 | .0337 | 1799 | .1927 | |
| 45.000 | ₹. | | - 1048 | -1.0188 | 4052 | 3835 | 2871 | | 1719 | 1604 | 6164 | 0077 | 1098 | 1192 | |
| 000.00 | .0590 | 0092 | 1602 | -1.0854 | 4252 | 3436 | 2973 | 2129 | 1671 | -, 1314 | 5338 | 0182
230 | . 2759. | +100.
- | |
| 112.500 | | | | -1.0331 | 4565 | 3017 | 2581 | 1550 | - US43 | 1.0291 | -,5606 | - 025. | | 0403 | |
| 135.000 | .0139 | 1 | • | 9277 | 5074 | C. 201. | 1881 | 1000 | 0798 | 0369 | 5783 | 0349 | | C418 | |
| | .0287 | , | | *316 | 0610 | 0662. | 1409 | 0899 | 9.9990 | 0779 | 5997 | | | 0611 | |
| | .0315 | 0580 | 1513. | - 9567 | 6004 | 4196 | 1089 | 0300 | 0244 | 3400. | 7051 | | 0223 | .0303 | |
| 202.500 | | | • | 6697 | 6529 | 4517 | 1012 | 0048 | .0159 | .0635 | 940G | | | ¥520. | |
| | | | | 6652 | 6650 | 4383 | 0841 | . 0228 | 9440 | .1037 | -, 3287 | | 92 | 97.7 | |
| 270.000 | .1534 | .1247 | | 7119 | 2427 | 4328 | 0731 | .0292 | .0514 | .1327 | 3160 | . 1667 | | - 1052 | |
| 292.500 | | | .3638 | 6199 | . 1601 | 3416 | 0610 | . 0290 | . 0690. | A C | 0010. | | | 17+3 | |
| 315.000 | .5373 | | | 6563 | .1370 | 2796 | 5. P. C. | 2000 | 5000. | 1.69 | 6453 | 0688 | | 0905 | |
| 337.500 | 6 009. | | | 6946 | .0633 | 7607. | 1961 | 0.650 | 0202 | 9412 | 6591 | 0089 | | .0365 | |
| 360.000 | .5518 | 8044. | . 1852 | 717 | 0650 | 1.510c | 1631 | 2 | | | | | | | 1 |
| MACH (2) | | 906 | ALPHA (8 | g (2 | -5.000 0 | • | 7.3718 | PTA | ₹ | 25.012 | -
ਵ | 6.2720 | PSA | • | 13.053 |
| SECTION (1)SPH BOO | 15.00m | BOOSTER | | | DEPENDE | DEPENDENT VARIABLE | IBLE CP | | | | | | | | |
| X/LS | .0433 | 55CO. 1 | . 1013 | .1158 | .1518 | .2240 | .3323 | 4403 | .5488 | .6570 | .7653 | .883* | .9122 | . 9555 | |
| ā | | | | | | | | | | | 1 | • | | Ċ | |
| 000 | 6694 | .3687 | 1319 | 7830 | - 040° | 2505 | | 0186 | .0±03 | .084
6 | 615¢ | . 03.03
C. 13.03 | 2 C | פיניים
פיניים | |
| 22.500 | .3935 | • | 9990. | | - 1404 | 2340 | • | 0538 | .0016 | 5.50. | 600c | , 100.
ROAD | 1751 | 1780 | |
| 45.000 | .2988
 | 3.05. | | | 2066 | - 2000 - | 1546 | 7680 | 0463 | CB10.1 | 5750 | .052 | 1589 | . 1399 | |
| 57.500 | | | . 955g | -1.0507 | 9 6 | 2003 | | 0877 | 0526 | 0301 | 5187 | .0+33 | .1497 | .1214 | |
| 90.00 | .1636 | | | | 7.3817 | - 1880 | - | 0589 | 3296 | .0087 | 5107 | .0385 | 8 | ± 60 . | |
| 125.000 | 1014 | E4E0. | | | .3741 | 1700 | | \$6.50° | 0123 | . 0250 | 5300 | 63E0. | .0987 | 1990 | |
| 157.500 | .1277 | • | | | 4366 | 1833 | • | 0.02±9 | -,0062 | . 0252
. 252 | . 5251 | /810. | 47.10
87.10 | 0068 | |
| 180.000 | . 1253 | • | • | • | B673. | - 2639 | • | 2500 | 3360 | 999 | - 6161 | 067 | .0029 | £0£0. | |
| 202.500 | .1170 | • | • | 9235 | 35.5 | 3505
30.01 |) | 0000 | 10.
10. | 6560. | 2,494.5 | 1352 | 0367 | 5,40 | |
| 225.000 | 1260 | . eos. | | . /330 | | 4028 | | | . 0643 | .1327 | 3206 | 1578 | 0758 | .3122 | |
| 24 . July 25 . 25 . 25 . 25 . 25 . 25 . 25 . 25 | 2078 | 5986 | | 8080 | · | 4086 | | .0299 | .0677 | . 1529 | 2991 | 1497 | 0651 | - 5559
- 5559 | |
| מינות ימיני | | • | | | | 3151 | 0605 | . 0339 | . 0820 | . 1660 | 5422 | 1398 | | # 60 | |
| 315.000 | .5038 | 1284. | | | .1120 | | | 9010 | 9180. | \$ 5. | 5960 | 1075 | יים
ניים
ניים | 0710 | |
| 337.500 | .5229 | | 5 .2073 | | | | | | .0677 | 7 6 | 10.0 | 1020. | 7 6 | 1 KI | |
| 360.000 | 6694. | | 9181. 7 | 7830 | 0404 | 2505 | 1053 | 0186 | .0403 | 7 A A . | ا . ق
ا | cuen. | <u>,</u> |)
)
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ORIGINAL PAGE IS . . . OF POOR QUALITY

(R82505) HSFC 56711A32F) 19 53/2 53/2 03 US SRM BOGSTER DATE OS SEP 75

| 2 | | 000 | ALPHA (3) | • | 000 | • | 7.3718 | PTA | = 22.012 | 312 | æ | 6.2720 | Ą | • | 13.023 |
|-------------------------|--------------------|---------------|------------|----------|-----------|-----------------------|--------|---|-----------------|--------|----------------|------------|--|--------------|--------|
| | | | | | DEPENDENT | NT VARIABLE | G | | | | | | | | |
| SECTION 1 130H BOOSIEN | | M31EM | | | | | | | | | 1 | į | | | |
| X/LS | .0+33 | .0722 | . 1013 | .1.56 | . 1518 | .2240 | .3353 | . 4405 | £88
€ | .6570 | . 7653 | ¥689. | 5
5
5
6
7 | S. | |
| Ë | | | | | | | | į | į | | ć | Š | | 2000 | |
| 000 | 35.00 | 18 | .0330 | 9366 | 0751 | 1225 | 0770 | . 98
100
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10 | 64.0 | Z \$. | 500. | C C | 200 | | |
| 22.500 | 3018 | 5115. | | -1.0227 | 1288 | 0950 | 0732 | .0077 | .0674 | 0121 | 1000.
1000. | 9060 | 000 | 3 (| |
| 45.000 | . 2730 | . 1968 | | -1.0335 | 1938 | 070° | 0632 | .0035 | 6669. | 82 | B/ #C. | 20. | 0000 | 775. | |
| 67.500 | | | 010₹ | -1.0377 | 2663 | 0560 | 0469 | .0087 | BBCD. | 9901 | 0/10:- | 5 6 | ָ
טְטָטְיִי | 8 4 | |
| 90.000 | £94. | 9 3 0. | vi 50 | -1.0369 | 3146 | -,0429 | 0347 | 9010 | .0550 | 9960 | B+0+. | | ָּהָ בְּבְּיהָ
בְּבְּיהָ
בְּבְּיהָ | 500 | |
| 112.500 | | | 0192 | -1.0437 | 3726 | 0370 | 0248 | .0120 | . 0527 | 960. | 4322 | ₹. | 89.0 | C 6 | |
| 135.000 | 38.5 | . 1602 | 0136 | -1.0336 | 5379 | 0323 | 0202 | .0075 | .0512 | 6460. | \$ 1 \$ \$ · · | 1150 | <u>8</u> | 24.1. | |
| 157,500 | £7.49. | . 1550 | 0276 | -1.0578 | 4732 | 0481 | 0185 | .0148 | .0462 | .0918 | 1.471 | | 25. | j K | |
| 180.000 | 2622 | .1577 | | -1.0293 | 4550 | 0838 | 0169 | .0148 | 9.9990 | .0977 | 4859 | - 0088 | 9080 | .1315 | |
| 202,500 | .2837 | 1827 | | -1.0391 | 4801 | 1451 | ₹.0 | .0147 | .0507 | .∵043 | 5650 | 0450 | . 0015 | .0716 | |
| 225.000 | 3223 | 23.5 | | -1.0487 | 5120 | 2074 | ₹10:- | .0216 | .0613 | . 1249 | 0+S+·- | 1066 | 0238 | 7620. | |
| 27.500 | | i | .0995 | 999 | 5892 | 2863 | 0342 | .0147 | 9690 . | . 1502 | 2855 | 1338 | | 9555
9555 | |
| 270.000 | 601 4 . | 6613 | .3517 | 8267 | 5097 | 2859 | 0538 | .0069 | .0820 | 1791 | 2610 | 1211 | | 5402 | |
| 200 | | | 2358 | 8949 | • | 1715 | 0501 | . 0255 | . 1064 | .2791 | 5150 | <u> </u> | | 0715 | |
| 200 | 0 | CEME | 8000 | - 9793 | • | -,1381 | -,0559 | .0150 | . 1060 | .2035 | 55+1 | 0769 | . 0959 | 1521 | |
| 313.000 | | 1996 | . C.S. | 2,470 | | 576 | - 0542 | 9.9990 | .0887 | 9161 | 5864 | 5.00. | . 1469 | 0729 | |
| 357.500 | 0.75 | | 700. | | | | 0000 | 1000 | 0750 | 14.71 | - 5584 | .0529 | 1387 | .0273 | |
| 350.000 | | S. S. | .0330 | | 10/0. | | | | | | Ì | | | | |
| MACH (2) | • | W 008. | ALPHA (4) | • | 5.000 a | • | 9.3719 | PTA | - 22.012 | 315 | E | • 6.2720 | PSA | • | 13.053 |
| SECTION (1)SPN BOOSTER | 1) SPM BK | NOSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| 9 | 25.13 | 6773 | E101 | 961 | 9121 | 3488. | .3323 | £044. | .5±88 | .6570 | .7653 | .8834 | .9122 | . 0555 | |
| X/L3 | | | | | | | | | | | | | | | |
| Ē | | | ; | | | | į | | : | 900 | 6808 | 0120 | 7200 | . 0650 | |
| 000 | ₹61. | | | - 999 | . 2636 | | 5 | 200. | 200 | 0/01: | 3000. | 0.00 | | פר היי | |
| 22.500 | . 1837 | | | -1.0347 | . N. | C +0 | 9600 | 9920. | # C C C | . 1043 | 10/4 | 0000 | 9991 | מלקר | |
| 45.000 | <u>.</u> | | | -1.039+ | 6 | - 0314 | 0100. | 1 | 9,00 | 5001. | 2011 | 200. | | 673 | |
| 67.500 | | | | | | 1000 | 0.000 | 9000 | 0.000 | 7 | 6181 | 8211 | 1739 | E 11. | |
| 000.00 | S. | 3 | 200 | 9010 | 9166.1 | 0387 | 100 | 916. | 2 | 1203 | 4167 | 1395 | 57.5 | . 1852 | |
| 116.300 | 3000 | י אוליני | | CE 90 1- | 900 | 0.04E | 0365 | 0170 | .0380 | .1047 | 4519 | . 1422 | 8968 | .2583 | |
| 152.000 | , F | 8 | | - 9653 | 4678 | 0272 | 0224 | .0043 | .0447 | .1046 | +683 | 1378 | .3057 | . 2585 | |
| 100 000 | 1714 | 3059 | .0913 | 9721 | 4662 | 0256 | 0015 | .0287 | 9.9990 | .1217 | 4871 | .0752 | . 1842 | ស្វិ
ស្វិ | |
| 202.500 | w503 | 3346 | .1132 | .952 | 4694 | 0376 | .0055 | .0363 | .0781 | .1378 | 4955 | 1540. | 0880. | . : +88 | |
| 900 | .4570 | .4107 | 1686 | 9219 | 3685 | 0701 | .0061 | . 0422 | . 0 9 72 | . 1566 | 5933 | 0592 | .0485 | . 0952 | |
| 24. 500 | • | | 2882 | 8200 | 3642 | 1288 | 0089 | .0370 | . 1027 | . 1913 | -, 3425 | 1436 | ►. C203 | . C. 84. | |
| 270 000 | 200 | 3870 | 3201 | 8011 | - 3903 | 1958 | 0438 | . 0287 | . 1200 | .2087 | 2284 | 1373 | 3246 | .003+ | |
| 200.000 | | | 0153 | 7021 | 6016 | 1755 | 0417 | .0391 |
₩.: | .2214 | 4357 | :15: | 0214 | 0329 | |
| 315 000 | 2.00 | 1468 | 0889 | 8581 | 5236 | 1517 | 0338 | .0417 | . 1390 | . 2256 | T174 | 0605 | | 1384 | |
| 313.000 | 2085 | 1212 | - 0682 | ₹6. | - 3589 | 0993 | 0411 | 9.9990 | . 1286 | . 2202 | 5323 | .0182 | | 077C | |
| 357.560 | £ 51 | 1157 | 0508 | 1686 | 2636 | 0657 | 4640 | .0352 | .1169 | .1876 | 5052 | 03+0 | . 0837 | 0050 | |
| 300.000 | • | | - | !
! | 1 | !
!
! | | | | | | | | | |

| DATE OS SEP 75 | Æ | | | TABUL | ATED SOU | RCE DATA | , MSFC TI | TABULATED SOURCE DATA, MSFC THT 567 (1A32F) | 1A32F) | | | | • | PAGE | 353 |
|--------------------------|------------------------|----------------|----------------------|------------|-----------|-----------------------|------------------------------|---|--------------|---------|--------|---------------|--------|------------------------|--------|
| | | | | ¥ | C 56711A | 32F) 19 | MSFC 567(1A32F) T9 53/2 53/2 | 03 US | SRM BOOSTER | 5 | | (AB2505) | 02) | | |
| MACH (2) . | | ¥ 006. | ALPHK (5) | • | 8.000 G | • | 7.3718 | ATA | • 22. | 22.012 | æ | * 6.2720 | PSA | • | 13.023 |
| SECTION (1) SRM BOOSTER | 1855C | 200STER | | | DEPENDENT | NT VARIABLE | BLE CP | | | | | | | | |
| x/rs | .0433 | .0722 | . 1013 | .1158 | . 1518 | .2240 | . 3323 | £103 | 5488 | .6570 | .7653 | .8834 | .9122 | .9555 | |
| Ē | | | | | | | | ! | | | | | į | | |
| | .0975 | ₹0.00° | <u>.</u> | 8962 | 1. 3£6£ | 1629 | 0391 | .0328 | 9601. | 0081 | - 4806 | 06.00 | *080. | | |
| | 9160 | .0285 | 115 | 8075 | 0004 | - E | 500. | 1400. | 6899 | 1791. | 1007 | 9440. | 2 120 | ייים כי | |
| | .0796 | .0160 | DCJ. | 6916 | 1984 | UBBK | 90.1 | 1,0164 | . 1680 | 140 | 1,4287 | 9668 | | 7210 | |
| 67.500
an non | đ | 7450 | 7-10-2 | 9773 | 4582°- | 1375 | 1314 | 0792 | .0279 | 1357 | 4323 | .0937 | | .0423 | |
| | : | } | 0593 | -1.0209 | 1481 | 1428 | 1278 | 1006 | 0187 | .098 | 4238 | 9111. | .2039 | .1309 | |
| | .2972 | .203+ | .0133 | 9820 | 1374 | 1159 | 1016 | 0843 | 0167 | .0715 | 4647 | 4641. | .3035 | - 8874 | |
| | .4076 | .2963 | .0730 | 59B4 | +160 | | 0635 | 0373 | .0082 | 52.0 | 4837 | . 1483 | . 2993 | 0989. | |
| | .5017 | .3826 | . 1358 | 9187 | 0142 | ا
ا | 0057 | . 0209 | 9.9990 | . 1165 | 54843 | . 1062 | .2383 | 1909 C | |
| | .5387 | 9 (
1 | . 1876 | 8711 | . 0292 | 0517 | 7810. | 4440. | 1890. | 1436 | 1.4/3c | 1910 - | 0849 | 4001 | |
| • | 7 | T . | ָּהְילָה
הַילְיהָ | 1111 | 55.00 | EC00 | 1000 | 1010 | 1113 | 50 | 1167 | . 284 | | 121 | |
| | 5 | | 5355 | 7530 | cuen. | . 1600 | #600. I | . מקנים
מקנים | 1360 | 32.55 | 9226 | 1368 | 57.10. | 18 00 | |
| • | 555 | 5//3 | / BB | . /3cu | 1000 | 2205 | 0000 | 92.0 | 1.00 | 2. ABCC | 4157 | - 1167 | | 0387 | |
| 216.000 | 000 | 0.00 | 25.40 | 61.90 | 3500 | 3365 | 0182 | 5150 | 4 | 2295 | 4307 | 0625 | | 1365 | |
| | 0863 | - 0010 | 1510 | 8029 | - 4047 | P.25. | 0214 | 9.9990 | 1417 | 1755. | 4957 | .0125 | ₹. | 0684 | |
| | .0975 | .025 | <u>4</u> | 8962 | 3464 | 1629 | 0391 | .0328 | .1096 | . 1800 | 4806 | .0280 | *000° | 0013 | |
| MACH (3) = | | 1.050 A | ALPHA (1) | • | -8.000 | • | 8.4402 | PTA | . 22. | 22.012 | æ | • 6.5720 | PSA | • | 10.992 |
| SECTION (1) SRM BOOSTER | 1855 | 2005TER | | | 30N3430 | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | . 0722 | . 1013 | .1158 | .1518 | .2240 | .3323 | .4405 | .5488 | .8570 | . 7653 | .8834 | .9122 | .9555 | |
| ī | | | | | | | | | | | | | | | |
| 000 | -40T. | 0609 | 3878 | 4099 | £ ± 1. | 1393 | 2381 | 2225 | . 1565 | .2190 | 6729 | .0368 | .214t | . 1062 | |
| 22.500 | .6031 | ¥997 | .3007 | 5313 | . 0256 | 2061 | 2650 | 3047 | . 0895 | 1911. | 7165 | .076 | .2893 | . 26735. | |
| | 1494. | .3757 | 2005. | 6255 | 0887 | 2887 | 3031 | .3980 | 5410. | 00400 | 7:33 | +1+0· | .2345 | בים אינות ה
הימות ה | |
| 000.70 | 8020 | 4 | | 7207 | 2825 | 300 | 90.4 | 3314 | 5150 | 0218 | 6324 | 0181 | .0892 | 1443 | |
| | | | .0406 | 7470 | 3821 | 2301 | 4358 | 1930 | .0340 | .1157 | 6222 | 0021 | 6440. | .0531 | |
| | .1867 | . i 240 | .0231 | 7518 | 5191 | 1758 | 3639 | 1584 | .0436 | . 1269 | 6333 | .0102 | 3450. | .0128 | |
| | .2121 | .1355 | . 0298 | 7431 | 5+90 | 1768 | 2750 | 1700 | .0215 | 1264 | 5966 | +800°- | .0671 | ¥100. | |
| | 66 | 1240 | . 6085 | 7532 | 4739 | . 2 2 3 | 2146 | 1382 | 9.9990 | . 1 :53 | 5826 | 0555 | 50 co | 900a. | |
| 202.509 | . 1785
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1887 | .0839 | 0545 | 7763 | - 5095 | - 4222 | 1953 | 0334 | 355. | 0.EB1. | | 1.1350 | 1050 | 9477.0. | |
| | | | 403 | - 6198 | 6385 | 4578 | -, 1006 | 7000 | 1597 | 2423 | 3269 | | 1606 | 6073 | |
| | .3026 | 2923. | . 2269 | 6191 | 0823 | 4610 | 1569 | 0197 | .1750 | 0775. | 3228 | | | 1395 | |
| | | | . 5358 | 3302 | . 3385 | 2977 | 1735 | 06+1 | . 1979 | .3120 | 5204 | 1889 | 1282 | 0595 | |
| | .6726 | .6897 | .5101 | 3653 | .3686 | 137R | 1771 | 1135 | 1418. | 3149 | 5905 | 1435 | .0651 | | |
| | 1. E. I. | 989. | 1697 | . 3930
 | .2660 | 0913 | 1939 | 9.9990 | +861 · | 5915 | 7148 | 0350 | . 1652 | , 625 | |
| 350.000 | .7034 | .6090 | .3878 | 1. 438B | * | 1 393 | 2381 | . 6663 | 001 | 38.50. | 6/63 | B 050. | ,
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|--------------------------|-----------|-----------------------|-------------------|-------------|-------------------|-----------------------|----------------|----------------|--|-------------|------------------|---------------------|---------------------------------------|-------------------------------|--------|
| | | | | ¥ | .c 56711 | 13 <i>2</i> F.) 19 | 53/2 53/ | S 03 US | MSFC 567(1A32F) 19 53/2 53/2 03 US SRM BOOSTER | 5 | | (RB2505) | :02) | | |
| MACH (3) | - | 1.050 A | ALPHA (2) | • | -5.000 0 | • | 6.4402 | PTA | • | 22.012 | e. | 6.5720 | PSA C | • | 10.992 |
| SECTION (1)SPH B0051 | | 00STER | | | 30N3-J30 | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .07£2 | .1013 | | 9151. | .2240 | .3323 | £403 | .5±88 | .6570 | . 7653 | .88 3 | .9122 | 9558 | |
| £ | | | | | | | | | | | | | | | |
| 900. | 6500 | 5349 | .3320 | 4933 | ₹6T. | 1345 | 1835 | 2241 | . 1603 | .2529 | 6453 | .0628 | .229 | 987 . | |
| 22.500 | Ř | 1 99. | . 27B2 | 6034 | . 0569 | 1615 | 2008 | 2532 | . i256 | 1981 | 6957 | . 105¢ | .2815 | .2657 | |
| 45.000 | .×728 | .3997 | .2273 | 6503 | 0363 | 1902 | 2285 | 2673 | .0882 | 1451 | 6581 | £ 6. | . 2347 | 2818 | |
| 67.500 | | (| 1790 | 6741 | 1461 | - 1 9 | 2523 | P. B. | 9170. | # 8
 | 6410 | .0657 | ₩6. | . 2338 | |
| 90.000 | 3380 | I | 9 | 6991 | N . | - 1431 | 2719 | 2162 | . 0718 | 98 : | 5985 | .0530 | 3 91. | <u> </u> | |
| 112.500 | Š | 0000 | 8 : | * 17. | | 1011 | *202. | 1716 | 0990 | B/61. | 1.3585 | - 4CD | 1.00 | ¥ 60 . | |
| 157.500 | 198 | 2316 | 6 | 7169 | 5243 | -, 1098 | 1528 | 097 | . 0859
0859 | 1732 | 1.5534 | 0390 | 2
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- | . 0899
8 | |
| 180.000 | 2863 | .2151 | .0923 | 7161 | 4883 | 2076 | 1146 | 0662 | 9.9990 | 1809 | 5330 | 0127 | 1690 | £93. | |
| 202.500 | 12757 | 1979 | .0553 | 7515 | 3877 | 3288 | 0789 | 0387 | . 1261 | .2098 | 5821 | 0806 | . 0306 | . 6921 | |
| 225. 30 | .2800 | . 1939 | 0265 | 7627 | 474B | 4487 | 0639 | 0209 | . 1393 | . 2282 | 3789 | 1935 | 6650 | .CB55 | |
| 247.500 | | | 0518 | 7246 | 5497 | 4583 | 0607 | 0187 | . 1543 | .2491 | 3031 | 2167 | <u>-</u> [중 | . 0230 | |
| 270.000 | £ 136 | .¥295 | .3568 | 5741 | 0551 | 4597 | 0995 | 0506 | . 1660 | <i>€776</i> | 2931 | 1875 | | 6,63 | |
| 292.500 | | | .5058 | 423 | 3.23 | 3169 | 1340 | 1083 | . 1855 | 3148 | 5149 | 1647 | 0931 | SB5B | |
| 315.000 | .6093 | .6202 | £\$00 | ₹8 3 | .2951 | 1606 | 1520 | 1561 | .2000 | .324 | 5581 | 1130 | | - 2241 | |
| 337.500 | 9450 | .6050 | ₩. | 5151 | .24B7 | 1050 | - .1602 | 6 .9390 | 196₹ | .3153 | 6671 | 0349 | | 0336 | |
| 360.000 | .6200 | .5349 | .3329 | 4993 | 10 · | 1345 | 1835 | 8241 | . 1603 | 5253 | 6453 | . 0628 | .22 9 | . 1290 | |
| MCH (3) | 7.7 | 1.050 AL | ALPHA (3) | • | 0000 | • | 9.4402 | PTA | • 22.012 | 912 | E | 6.5720 | 88
48 | • | 10.992 |
| SECTION 1 11578H BOOSTER | USPH BC | DOSTER | | | (SPENDE) | DEPENDENT VARIABLE CP | ALE CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | . 158 | .1518 | 0455. | .3323 | .4405 | .5488 | .6570 | . 7653 | £88. | .9122 | .9555 | |
| ā | | | | | | | | | | | | | | | |
| 90 | .4823 | 0414. | 5445 | 6514 | 2253 | - 0840 | 0288 | 1181 | 5761. | 3096 | 5535 | .1070 | .2052 | . 3920 | |
| 22.500 | ¥636 | .3967 | .2327 | 5569 | 279 | 0432 | 0307 | 1289 | .1886 | .2838 | 5572 | 6041. | .2324 | .2152 | |
| 45.000 | £044. | .3731 | .2195 | 6698 | 3¥88 | 0190 | 0353 | 1258 | 19 | .2729 | 1.35. | 5441. | .26:7 | ¥192: | |
| 67.500 | • | į | .2107 | 6667 | . 49 . | 0007 | 0276 | 1007 | ≯ 60 . | . 86.
1 | - 5250 | . 1723 | 3209 | 7967 | |
| 112.500 | | | 100 C | 6703 | EE-11- | 5 TO | - 0.56 | 0550 | 1685 | 9 5 | 1010 | | | הינה.
ליקקל | |
| 135.000 | 88 | 3493 | .2030 | 6710 | 4249 | 9900. | 0161 | 0412 | 191 | 2509 | 4267 | 1.690 | .2760 | £759 | |
| 157.500 | .4233 | .3507 | 1 96 : | 6791 | 4386 | 0208 | 0147 | 0224 | . 1570 | .2453 | 4561 | .1312 | . 234! | . 255S | |
| 180.000 | ¥119 | .3531 | . 2050 | 6831 | 45S4·- | 062⁴ | ₹10:- | 0146 | 9.9990 | . 2529 | 4780 | .0784 | . 1637 | . 2532 | |
| 202.500 | 3.05° | 3756 | 2095 | 6839 | 4839 | 1373 | 0206 | 6082 | . 1592 | .2564 | 4920 | . 0269 | .0739 | 1520 | |
| 225.000 | .4531 | .4206 | 20.5 | 6935 | - 1 62 | 2272 | 0224
- | .0017 | 1709 | .2737 | | | . 6233 | . 68. i | |
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| 296.500 | | | | 24.76 | C060. | +0/1. | 5.0575 | 9466 | | 3415 | - 4502 | | + + + + + + + + + + + + + + + + + + + | (3.3.2)
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| DATE" 05 SEP 75 | ė. | | | | TABLE | ATED SOU | RCE DAT | TABULATED SOURCE DATA, MSFC THT 567 (1A32F) | HT 567 (| 1A32F) | | | | | PAGE | 355 |
|-----------------------|----------------|----------------|------------|---------|--------|----------|-----------------------|---|------------|-------------------|---------------|------------|----------------|----------|------------|--------|
| | | | | | Ā | C 56711A | 32F) T9 | MSFC 56711A32F) T9 53/2 53/2 | | 03 US SAM BOOSTER | ER | | (R82535) | 35) | | |
| MACH (3) | • | 1.050 | ALPHA (%) | 3 | • | 5.000 0 | • | 8.4402 | P1A | | 25.012 | et
E | 6.5720 | PSA | • | 10.938 |
| SECTION (1) SAM BOOS | 255 | BOOSTER | ~ | | | DEPENDE | DEPENDENT VARIABLE CP | ABLE CP | | | | | | | | |
| X/LS | .0+33 | 52TO. EI | | .1013 |
2. | . 1518 | .2240 | . 3323 | .4405 | 984€. | .6570 | . 7653 | .8834 | .9122 | .955 | |
| Æ | į | | | 136 | 9009 | 2000 | F420 - | 97.10 | 0058 | 1700 | 3234 | 4391 | .1057 | .1723 | .633 | |
| נישט. | 13564
12054 | 50/5: F | • | | 9269. | -,4503 | .0056 | | 0129 | .2218 | 3050 | 430B | 1328 | .2379 | 1960 | |
| | 322 | • | | • | 7070 | -, 4790 | .0305 | | 0390 | . 2057 | .2854 | 4221 | .1769 | .3085 | .2169 | |
| 67.500 | | • | | Ť | 6995 | 4763 | .0374 | | 045¥ | 1881 | .2857 | 4085 | 1.934 | .2637 | 0771 | |
| 90.000 | .3585 | 5 .2982 | | • | .6995 | 47.44. | .0236 | .0181 | 0467 | .1802 | . 2818
877 | \$ C 3 . 1 | 2309
2265 | 3761 | | |
| 112.503 | 12 | 49192 | | 9166 | 6590 | 3742 | . 0295 | | 0215 | . 1503 | . 252. | 1.4218 | .2193 | 35.3 | 10 mm. | |
| 155.000 | 5078 | • • | | • | 6440 | 3395 | 0743 | | .0077 | . 1528 | .2461 | 4407 | . 1932 | 3539 | 3997 | |
| 190.000 | 5355 | • | | | 6339 | 3051 | 1047 | | .0338 | 9.9990 | .2555 | 06*4 | . 1409 | .eE0 | 表面 | |
| 202.500 | .5531 | 11 .5148 | • | 3197 | 6160 | 3459 | 1165 | | . 0452 | . 1793 | .2685 | 8044 | . 1.185 | . 1650 | (B) | |
| 225.003 | ¥8+6. | ¥ .553 | | | 5855 | - 4251 | 1371 | • | .0466 | . 1846 | .2821 | 1364 | 1,000. | 8.0°. | 95.
15. | |
| 247.500 | | | | • | 4900 | 3437 | 2052 | 1 | .0462 | .1987 | 3115 | 3726 | 1084 | 6:53 | 141. | |
| 270.000 | .4538 | . 51 69 | | | 5117 | 3940 | 2686 | | 0479 | 1155. | 3355. | C 22 | | | 9,6 | |
| 292.500 | į | | | · 1 | 00/07 | . 4389 | 27.7 | 0.00 | 98.50 | 1000 | 7 J | 9095 | 0316 | 1393 | - 1250 | |
| 323.003 | 7105 | 0000. F | | | 7196 | 3035 | - 1143 | | 9.9990 | . 2369 | .3387 | 4650 | .0643 | 1757 | 037B | |
| ביים הפק | 335 | • | | | 6999 | 3889 | 0543 | | .0058 | .2244 | .3234 | 1654 | . 1057 | . 1750 | .0539 | |
| MACH (3) | • | , ĝ | 5 | 6 | | 9.000 o | | Φ | PTA | | 25.012 | | • 6.5720 | 8 | • | 10.992 |
| SECTION (| 13 SRH 800 | BOOSTER | œ | | | OEPENDE | DEPENDENT VARIABLE CP | ABLE CP | | | | | | | | |
| X/LS | .0433 | 5570. 81 | | .1013 | .1158 | . 1518 | . 2240 | . 3323 | 5044 | .5488 | .6570 | . 7653 | . 8834 | .9122 | .9555 | |
| ā | | | | | | | | | | | | | | | | |
| 000 | 2362 | . 1829 | • | . 5990 | 7153 | 3036 | 1159 | .0380 | 6090 | .2214 | 3178 | 4045 | 4360 · | . 1782 | . 0724 | |
| 22.500 | . 2300 | 0 .1839 | | | 7311 | 4057 | 0387 | | .0166 | . 1696 | .2590 | 3885 | .1166 | .2135 | 1894 | |
| 45.00∂ | .2163 | . 1734 | | | 7293 | 5146 | 0208 | • | .0020 | 9771. | 2640 | 3910 | 675!. | . 1815 | # (C) (C) | |
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90 080 | 25.25 | 6166
6166 | | . 580. | 7143 | +115 | Ucos | 85 10 | 0576 | 9241. | 2766 | 3978 | . 1870 | 5 65 V. | | |
| 112.583 | į | • | | ٠ | 6832 | 3805 | 1010 | • | 0554 | . 0968 | 35,45 | 3651 | . 1967 | 3652. | £. | |
| 135.000 | 14.97 | n .3750 | | ٠ | 6453 | - 295€ | 1646 | • | 0280 | . 0932 | .2182 | -,4053 | 9-15 | 3000 | 3572 | |
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85.48 | 54. S | • | 3356 | 200 | 2029 | 4160 | 9 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 5660. | 9.930
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| 225.003 | 6+19 | • • | • | ٠ | 5090 | 1.95 | 1131 | | . 1020 | . 1955 | .2893 | 200- | .0534 | 1365 | . E353 | |
| 247.503 | | | • | • | 4082 | .0146 | . <u>.</u> | .0335 | . 1347 | . 2095 | .3:38 | 36+6 | 0753 | 89% | . 1829 | |
| 270.003 | .3767 | 5734. Ti | | . 3517 | 5404 | 1126 | 2791 | | .1108 | . 2327 | .3307 | :483 | 6360 | 8000 | CE15 | |
| 292.503 | | | • | 6941 | - 4847 | 4936 | 7.2907 | | . 105 | | .3320 | 2667 | 7870 | # H | (t : 1) | |
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HSFC 567(1A32F) T9 53/2 53/2 03 US SRM BOOSTER

8.59 1251. 13113. 131 - 1127 - 1251 - 1251 - 1251 - 1251 Š ž 8361. 9260. 9260. 9200. . 9328 6031. 6.6900 6.6900 -.0127 -.0098 -.0370 -.0833 -. 1313 -.2423 -.0309 -.0583 -.0528 -.0098 .883 -. 2093 <u>..</u> -.0309 . **68**3 -.0118 -.2:49 5770.--.6118 ..6870 ..6520 ..576. ..5373 ..5303 ..5611 . 7653 -.3318 -.3811 . 7653 -.3991 -.5221 -.3956 -.4480 -.5732 -. +987 1.001. -.3491 -.3763 -.6314 -. 4694 -. 4681 -. 3937 -. +257 - 355 ď .6570 16386 16387 16 .2834 .2513 .1635 .6570 910 22.012 . 9840. -.2120 -.1697 -.1737 -.2572 9.9990 -.0533 -.0358 -.0308 -.0367 -.1018 -.2703 -. 2311 ₽. -.1569 -.1278 -.1087 -.1053 -.0508 -.0244 -.0545 -.0582 -.1158 -. 1511 -. 034B -.0622 -.0846 -.1159 -.1762 -.2489 -.3185 -.3508 -.2755 -.2758 -.2000 .4405 -.0358 -. 1038 9.9990 -.2013 -.2027 -.1993 -.1561 -.1287 -.0982 -.0364 -.0913 .4405 -.1395 -.0913 -.0300 -.0562 -.0804 7 -.0735 -.1762 -.0354 -.1003 9.9990 -.0910 -.1581 -.2419 -.3457 -.3352 -.3342 -.5570 -.2025 -.1276 -.0818 -.0505 -.0505 .3323 -.0356 . 3323 -.1443 -.1661 -.1860 -.1936 -.1702 -.1269 -.0910 9.2798 -.0818 -.0575 -.0250 -.0431 -.0690 -.0023 -.0404 **9.2798** VARIABLE CP DEPENDENT VARIABLE CP -.0106 -.0776 -.1589 -.2520 -.2827 -.1814 -.1369 -.2123 +004.--.3935 -.3878 22.0 -.1442 -.3603 .0186 . 2240 -.1095 -. 1649 -.1632 -.1136 -.1023 -.2103 -.3301 -.4055 -.1395 ..0574 DEPENDENT 2841 1553 - 1553 - 20137 - 3378 - 4112 - 4170 - 4055 - 4065 - 4905 - 4905 -.3383 -.3571 -.3769 .1518 .4845 .4674 .4019 -.5707 -.5707 -.1944 . 1518 -.2014 -.2611 .0857 -. 3903 .0472 -.5152 -.0281 -.3041 - 15 -8.000 5.000 -.3923 -.4306 -.4622 -.4846 -.4945 -.5433 -.5153 . 158 -.4957 -.4977 -.1326 <u>=</u> -.3457 -.5117 -.3943 -.4398 -. 4673 -. 4838 -. 9881 -. 3369 \$0.4.ª -.4267 -.4571 -. 9888 -. 2932 -.3165 -.9457 -. 1997 -. 2934 APPR C ALPHA : 23 . 1013 . 1328 . 1055 . 0881 .0097 .6572 .6572 .6038 .5669 .1013 . 4393 . 3931 . 3403 . 2546 . 2530 . 1706 . 1148 . .4928 .4194 .3357 .2480 .1792 .62% 5306 .5171 .1139 .0705 .6948 .6246 .0722 :+89 .0722 2206 1,498 1414. .4633 .3914 669 .2709 .2098 . 2310 2310 5136 .6182 .5912 .727. SECTION (1)SPM BOOSTER SECTION I 1158M BOOSTER .. 80 .. 80 Q. 33 .5369 .4115 . 1665 .0916 .1464 .1282 .170 .1035 57.9 .6393 9+33 £79. 4876 4200 3367 .1709 23.08 23.08 3705 +936 5027 +878 HACH (*) MACH C 43 112.500 135.002 157.500 180.000 202.500 225.000 270.000 292.500 315.000 337.500 360.000 45.000 90.000 112.500 135.000 137.300 180.000 180.000 225.000 227.500 227.500 237.500 337.500 67.500 8 90.000 45.000 6

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| Column C | 2 . 1013 . 1158 3 . 3361 - 3826 3 . 3361 - 3823 3 . 3361 - 3823 3 . 3361 - 3929 3 . 3164 - 3929 3 . 3164 - 3929 3 . 3162 - 4002 3 . 3012 - 4028 3 . 3012 - 4028 3 . 3012 - 4103 3 . 3012 - 4103 3 . 3012 - 4103 3 . 3012 - 4103 3 . 3012 - 4103 3 . 3012 - 4365 3 . 3013 - 3826 3 . 3013 - 3826 3 . 3013 - 3826 3 . 3013 - 3826 3 . 3013 - 4369 3 . 3020 - 4367 3 . 3020 - 4367 3 . 3020 - 4367 3 . 3020 - 4367 3 . 3020 - 4367 3 . 3020 - 3027 4 . 3020 - 3752 2 . 4315 - 3522 2 . 4315 - 3522 | ENDENT VARIABILITY (1981) 518 | 250 500 500 500 500 500 500 500 500 500 | | | .6570
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| . 5325 . 4315352223380592010201050442162440740531 | .5325 - 4315 - 3522
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| . 5829 . 4830331432850947021100540599 . 1967420902030204224719200853020422471920085302042247192008522251224222432842028420284202842028420284202842028420284202842028420284202842008120 | .5829 .48903314 | | 0102 | 5010. | , C+10. | 2 | * CD . | | 1 (1
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|--------------------------|----------|--------|---------------------------------------|-----------|--|-------------|-----------|-----------|---------------|-----------------|---------|-----------------|---------------|--|--------|
| | | | | 35 | MSFC 567(1A32F) 19 53/2 53/2 03 US SPM BOOSTER | EF (75) | 53/2 53/6 | s 93 US S | 72H B005T | 5 | | (RB2505) | <u> </u> | | |
| HACH (5) = | 3.500 | | ALPHA (4) | • | 5.000 0 | • | 5.7168 | PTA | 50.011 | 110 | *
& | 5.3300 | * | • | .67500 |
| SECTION (1) SPN BOOSTER | S8H 800 | STER | | | DEPENDENT | IT VAR'ABLE | BLE CP | | | | | | | | |
| X/LS | .0+33 | .0722 | .1013 | .1158 | 9161. | .2240 | .3323 | 2011 | .5488 | .6570 | .7653 | £99. | .9122 | 88.
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| 22.300 | | 2071 | 2 2 | 0273 | 0341 | 0168 | 0087 | 0107 | .0085 | .0089 | 0134 | .0585 | .2142 | .214B | |
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| 000.06 | <u>8</u> | . 1922 | 188 | 0138 | 0293 | 0188 | 0171 | 0219 | 0178 | 0009 | 0600 | 6180. | 265 | 1654 | |
| 112.500 | | | .2175 | 0060 | 0236 | B141 | 0229 | 0226 | 0212 | +600°- | ביבט - | 0/80. | 17.6 | 000 | |
| | | .2520 | <u> </u> | .0027 | 0161 | 007u | /800 | 0603 | - 0067 | 6200 | 0263 | 2.30 | 1637 | . 1935 | |
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| | | 2250 | 7.462 | 2 | .0832 | 0121 | 0158 | .0112 | .0234 | 4450. | . 1465 | .0436 | 18.0 | 35. | |
| - | | | 310+ | . 1957 | <u>*</u> : | 0645 | 0053 | .0082 | .0275 | . 0255 | . 0325 | .0345 | . 07 W | 7711. | |
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| 360.000 | 138 | .1204 | 9111. | 0266 | 0185 | 0351 | - 0203 | | * COO. | | : | | | | |
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| SECTION (1) SPM BOOSTER | 900 Hars | STER | | | DEPENDENT VARIABLE CP | NT VARIV | BE CP | | | | | | | | |
| X/LS | .0433 | .0722 | . 1013 | .1158 | . 1518 | .2240 | .3323 | .4405 | .548B | .6570 | .7653 | .8834 | .9122 | 8 8 | |
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| 67.500 | | | 1418 | 0273 | 040 | 0246 | 0263 | 0337 | 0246 | 0090 | 0083 | .0863 | <u> </u> | 13.5 | |
| 90.00 | .1756 | .1780 | 1776 | 2.01.75 | 0341 | 0276 | 0347 | 0385 | 0250 | | 0161 | 4960. | . 1610 | 623 | |
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| | Q. | ALPHA • DELTAZ • X~SR9 • | e. | | .7653 | c
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| O3 US SRM BOOSTER | | | • 22.011 | | .5+88 | - | 0 ± 0 1 · | .0877 | .0734 | .0505 | 5000. | .0063 | 9.9390 | .0115 | .0383 | 9380. | .0347 | .0997 |
 | 601: | 22.013 | | | .5+88 | | .0900 | .058+ | .0560 | .0+36 | .0328 | . 0258 | .0126 | .0117 | 9.9930 | .0128 | . 0283 | .0361 | 24.75 |
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.0000 IN. | -8.000 0 | DEPENDENT | .1518 | 9 | 0103 | 0165 | 0272 | 0.14.0 | + 1000 · 1 | | | 0597 | - | | | • | | 0014
0058 | 000 | 2 | | . 1518 | | | • | 0575 | | ' | Ĭ. | • | • | | | • | • | .0537 - |
| HSF(| | , o | | | .1159 | 650 | 6549 | 6705 | 6353 | 7517 | 7654 | 822! | 7654 | 7725 | 8500 | -1.0290 | -1.1264 | 8522 | 7745 | 58+B | • | _ | | BS 1 1 . | | | · | • | | | | • | _ | | | | | -1.1736 |
| | ₹ | XMRP
YHRP
ZMRP | BETA (1) | | .1013 | 1607 | 1406 | 1289 | 1225 | 1295 | -,2001 | 2509 | 2817 | 3178 | | | | | 1866 | 1770 | BETA (2) | | | .1013 | | | | | | | | | | | | | | 0574 -1 |
| | REFERENCE DATA | 50. IN.
IN.
IN.
SCALE | .600 | WSTER | .0722 | 0 | 1357 | .1599 | | . 1612 | 0.0885 | 07+0 | .0195 | .0072 | .0313 | | .2157 | | | 1259 | × | | | .0722 | | | | . 1069 | | . 0922 | | | | • | • | 95.0. | | . 2023. |
| | REFE | 6.1980 SQ.1N
5.3130 IN.
5.3130 IN. | • | 11584 30 | .C+33 | ر
1 | | .2583 | | 7862. | (A) | .1593 | . 1532 | . 1465 | . 1675 | | £τ ς . | | 250 | .2360 | 15 | 115PM 800 | ; | . 0433 | | .2175 | .2101 | .2086 | | 1918 | • | . 1510 | 1.77 | . 1453 | . 1505 | . 1786 | | .2613 |
| | | SPEF IREF STALE | (I) HOVW | SECTION (1)SRM 300STER | x/LS | 17 d | 009.E2 | 45.603 | 67.503 | 300°00°00°0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 157 533 | 160,000 | 603 E60 | 285,030 | 8+7, 500 | 273.58 6 | 000 min | 311.000 | 300 - 698
800 - 698 | HOVE C 13 | SECTION 1 115RM BOOSTER | • | ٨٦٢ | Ŧ | . 000 | 55.500 | 45.000 | 67.500 | 90.00 | 112.500 | 35.000 | 157 500 | 180.000 | 202.500 | 225.003 | 047. U.C. | ע יפ. פנים |

1.2.3.44.

(RB2506)

| BOOSTER |
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| 567(1A32F) |
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| TSEC. |
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| SECTION (1)SPM BOOSTER | B Mass CT - | OOSTER | | | DEPEND | DEPENDENT VARIABLE CP | ABLE CP | | | | | | | | |
|--------------------------------------|----------------------------|------------------------|----------------------|----------------------|------------------------|------------------------------|-----------------------|-----------------------------------|----------------------------|----------------------------|----------------------|---------------------------------|--|--------------------------------------|--------|
| X/LS | .0433 | .0722 | . 1013 | .1158 | . 1518 | .2240 | .3323 | .4405 | .5488 | .6570 | .7653 | £883. | .9122 | .9555 | |
| PHI
292.500
315.000
337.500 | . 2728
. 2510
. 2715 | . 1773
1397
1106 | 1080
1837
1904 | 8388
7415
5817 | .00728
0019
0538 | 125v
0663
0400
0311 | 0026
0033
.0000 | .0350
.0318
9.9990
.0285 | . 0890
. 0896
. 0890 | . 1758
. 1706
. 1636 | 5875
5773
5262 | 0314
.0259
.0929
.1313 | .0434
.2549
.2351
.1882 | . 0029
- 0726
- 0569
- 0348 | |
| PACH C 13 | | .600 | BETA (3 | 6 | 0 000 | • | 4.3654 | PTA | | 22.011 | 젍 | 5.00.40 | PSA 0 | • | 17.234 |
| SEC7:ON (1)SPH BOOS | 8 19861 | DOSTER | | | DEPENDE | DEPENDENT VARIABLE | BLE CP | | | | | | | | |
| \$7/X | .0433 | .0722 | . 1013 | .1158 | . 1518 | .2240 | .3323 | .4405 | 5488 | .6570 | . 7653 | .8834 | .9122 | .9555 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | 2045 | 0.69 | 2095 | 8008 | 0922 | 0694 | 0356 | 0050 | .0395 | .0756 | 5317 | E+11. | 1661 | 7560 | |
| 22.500 | 1791 | .0713 | 2275 | 7978 | 0946 | 0569 | 0338 | 0060 | .0321 | .0521 | 5002 | 1351 | 1674 | . 0893 | |
| 45.000 | 9 5 | 6633. | 515 | 7618 | 1020 | 0552 | 0356 | 0139 | .0191 | .0409 | 4775 | . 1629 | . <u>2</u> 2 | . 1263 | |
| 90.00 | 000 | 5 | e c | 7946 | 3 660. | 0472 | 14.00 | 0051 | .0216 | . 0363 | 4211 | . 1739 | .2469 | .1247 | |
| 112.500 | 6337 | 1010 | שלאט יו
פניאלט יו | - /38¢ | - 1080
- 137 | 1.05 | 6420 | 0076 | .0137 | . 0266 | 3684 | 1799 | .2387 | . 1219 | |
| 135.000 | . 1213 | 9410. | 2818 | 7.491 | 1109 | 0472 | 0170 | 9000 | שלום.
האונה | 9020 | 3387
- 7516 | 0761. | 79.5 | 1311 | |
| 157.500 | . 1230 | .0093 | 2904 | . 2555 | 1233 | 0534 | 0187 | 0033 | 0.0 | 600 | 4004 | 00/1- | ָ
֭֭֭֭֭֭֭֭֭֭֭֭֭֭֭֭֭֭֭֭֓֞֝֞֝֡֓֞֝֓֡֓֓֓֓֓֞֡֓֓֓֡֓֡֓֡֓֓֓֡֓֡֓֡֓֡֓֡֡֡֓֓֡֓֡֡֡֡֡֓֓֡֡֡֡֡֡ | 1570 | |
| 180.000 | .1338 | .0076 | 2979 | 8564 | 1198 | +690.− | 0187 | 0050 | 9.9990 | .0311 | 4211 | 0747 | 1642 | H278 | |
| 202.500 | . 1482 | .0148 | 3185 | 8915 | :305 | 0908 | 0248 | +600∵ | 1 600· | .0366 | 5032 | .0379 | +560. | 1161 | |
| 265.000 | . 10£0 | .0513 | | 9823 | 1323 | 1416 | 0303 | 0023 | .0182 | . 0569 | 4871 | 0006 | .0789 | 4780° | |
| 270 000 | 1876 | 1100 | 1/05 | -1.1350 | 0913 | - 2825 | 0240 | . 000s | . 0280 | . 0872 | 2852 | 0346 | .0517 | ±201∵ | |
| 200.500 | 3 | 5 | | 2443 | 200 | .3775 | 0311 | 5100. | .0387 | <u>.</u> | 2407 | 0150 | .0626 | .0324 | |
| 315.000 | 2878 | 1905 | - 1785 | - 8300 | 1,50 | 0001 | 2000 | C+10. | .0626 | . 1362 | 5605 | 0142 | 555 | 0234 | |
| 337.500 | .2583 | . 1452 | 1726 | - 10t | 0600 | 0631 | 10.60 | 0000 | 956. | 201 | BC0C. | 0.00 | ָּהָ
מַנְּיִלְּיִּהְ
מַנְיִילִּיִּ | 1680 | |
| 350.000 | .2049 | 0940 | 2095 | 8002 | 0922 | +.069€ | 0356 | 0050 | .0395 | .0756 | 5317 | . 1143 | .1681 | | |
| MACH (1) | • | 98 | BETA (4) | | 4.000 a | • | 4.3654 | PTA | - 22.011 | 110 | E | 5.0040 | PSA | • | 17.234 |
| SECTION (1)599 BOOST | 1) SP# BO | DSTER | | | DEPENDEN | DEPENDENT VARIABLE | LE CP | | | | | | | | |
| X/LS | .0433 | .0722 | .1013 | | .1518 | . 2240 | .3323 | £403 | .5488 | .6570 | .7653 | .8834 | .9122 | . 9555 | |
| Ē | | | | | | | | | | | | | | | |
| 000 | .167 | .0765 | | 8053 | 1183 | 0977 | 0609 | 0222 | .0197 | .0463 | - 4972 | 1770 | | 5000 | |
| 22.500 | | .0329 | | 8105 | - 1885 | 0888 | 0608 | 0257 | .0093 | | +7774. | 6360 | | 6250 | |
| 45.000 | - 10 4 3 | 0002 | _ | | | _ | 0496 | 0231 | . 0058 | | 4517 | .1147 | . 1813 | 5160. | |
| 67.500 | | | | _ | | • | 0365 | 0127 | . 0092 | . 0261 | 4075 | 1399 | 1871 | .0807 | |
| | - 2190. | 8 | | | | · | 0218 | 0050 | 7110. | | 3450 | . 1553 | . 2095 | .0883 | |
| | 5960 | . 666 | 3167
 | Co. | | | | €+00·- | | | 3319 | . 1822 | . 24B2 | .1247 | |
| | | | | | . 1262 | 0500 | 0208 | 6010 | .0066 | . 0225 | 3602 | . 1785 | .239: | .1332 | |
| | | : | | | | | | 1,00. | | | 3977 | . 1761 | , ee. | . 1835 | |

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MSFC 567(1A32F) T9 53/2 53/2 03 U5 SAM BOOSTER

| MCH (1) = .600
SECTION (1) SRM BOOST | 5 | BETA (4) | • | 4.000
DEPENDE | 000
Dependent variable CP | BLE CP | | | | | | | | |
|---|--------|----------|---------|------------------|------------------------------|--------|---------|----------------|--------|--------|----------------|---------------|------------------|--------|
| . O722 | 25 | . 1013 | .1158 | . 1518 | .2240 | . 3323 | .4405 | .5488 | .6570 | .7653 | .683∿ | .9122 | .9555 | |
| č | ¥600 | 1000 | 9669 | 121 - | 0790 | - 0276 | 52.07 | 0656.6 | . 0245 | -,4209 | .1364 | .2308 | 5161. | |
| Ċ | 1 | - 303+ | 7616 | 14 to | 0970 | -,0295 | 0114 | .0073 | .0334 | 4698 | .1039 | . 1662 | 164 | |
| ä | .0688 | -, 3225 | 9933 | 1357 | 1486 | 0304 | 0069 | .0154 | .0549 | 5045 | 6+19 | .1304 | .1550 | |
| | | | -1.0903 | 0750 | +.2761 | 0312 | 0069 | . 0259 | 1.160. | 3215 | 0355 | .0728 | . i 384 | |
| 'n | .2539 | - 0.499 | -1.0784 | .0508 | 4092 | 0498 | 0167 | .0311 | . 1105 | 1973 | 0365 | .0359 | 0154 | |
| | | 0389 | 8501 | .0412 | 1900 | 0507 | 0095 | .0463 | . 1027 | 4712 | 0223 | .0597 | 0469 | |
| ñ | 919 | 9441 | 8065 | 1.0441 | 1394 | 0458 | - 0114 | 6740. | .0795 | -,5269 | 8000. | .1:89 | 1129 | |
| = | .1553 | 1615 | 7639 | 0963 | 0967 | 0595 | 9.9990 | 9/20. | .0591 | -,4999 | .0469 | .1173 | 0770 | |
| Ö | .0765 | 2502 | 8353 | 1183 | 0977 | 0609 | 0222 | .0197 | .0463 | 5794 | 1770. | .1115 | 0035 | |
| .600 | 86 | BETA (5) | • | 8.000 C | • | 4.3654 | PTA | . 22. | 22.011 | Œ | 5 .0040 | PSA | • | 17.234 |
| SECTION (1) SRM 80051 | ER | | | 30N3d3Q | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| • | 5570. | . 1013 | .1158 | .1518 | .2240 | .3323 | 3044. | .5488 | .6570 | . 7653 | .8834 | .9122 | . 9555 | |
| | | | | | | | | | | | | | | |
| • | 96£. | 2467 | 0451 | 1764 | - | 0963 | 6440 | .0028 | . 0208 | 4857 | . 0558 | .0880 | - : 0 252 | |
| $\ddot{\cdot}$ | 0156 | 3116 | 8539 | 1837 | 1337 | 0921 | 0467 | 0059 | 0021 | 4735 | .0665 | . 0869 | .0039 | |
| ∹ | 0563 | 3430 | 8338 | 1582 | 1037 | 0692 | 0344 | 0015 | .0075 | 1.43/1 | /B/n. | .1038 | 1800. | |
| | | 3563 | 804€ | 1290 | 0754 | 0524 | -, 0299 | 0041 | .0095 | 3998 | . 1080 | . 1560 | .0330 | |
| Ċ | 626 | 3581 | 8106 | 1163 | 0620 | 0355 | 0202 | 2000 . | .0067 | 38## | 1493 | 8 00€. | . 0579 | |
| | | 3550 | 8338 | 1150 | 0560 | 0304 | 0176 | 0024 | . 6067 | 4015 | . 1623 | . 1955 | 1170. | |
| | 0689 | 3425 | 8218 | 1285 | 0650 | -,0383 | 0265 | 0050 | .0068 | 4006 | 1921. | 35.5 | 5711. | |
| .• | 0584 | 3429 | 8658 | 1722 | 0902 | 0571 | 0416 | 0235 | 0116 | 4175 | 1839 | .2785 | . 1567 | |
| | 0174 | 3058 | 8737 | 1529 | +060∵ | 0391 | 0176 | 6 .9990 | .0138 | 4337 | . 1762 | .2590 | . 249B | |
| ٠ | .0368 | 2903 | 9200 | 1463 | 0933 | 0241 | 0015 | .015¥ | . 0362 | 4733 | . 1369 | .2701 | .3214 | |
| • | . 1002 | 2775 | 9570 | 1201 | 1338 | 0188 | .0053 | .0214 | . 0572 | 5081 | 6770. | .1597 | .2219 | |
| | | 2562 - | 1.0590 | 0543 | 2781 | 0312 | 0079 | .0240 | 7160. | 3604 | 0159 | .0837 | . 1359 | |
| • | 1673. | 0257 | 2972 | .0700 | 4196 | 0584 | 0228 | .0310 | 1711. | 2168 | 0258 | .0507 | 0163 | |
| | | 0550 | 8079 | .0488 | 2097 | 0691 | 0202 | .042. | .1003 | 4714 | 0127 | .08:≥ | 0369 | |
| | .2546 | 1041 | 7663 | 0441 | 1209 | 0729 | 0301 | .0346 | . 0829 | 4623 | .010÷ | 1330 | 1070 | |
| Ξ. | . 1691 | 1487 | 7488 | 1173 | 1212 | 0905 | 9.9990 | .0126 | 3450. | 4576 | .0562 | . 1387 | 0625 | |
| ä | 96+0∶ | 2467 | 8451 | 1764 | 1441 | 0963 | 6440 | . 0028 | .0208 | 4857 | .0558 | .0690 | 0252 | |

HSFC 567(1A32F) 19 53/2 53/2 03 US SRM BOOSTER

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3317.500 90.000 135.000 157.500 167.500 160.000 222.000 227.500 277.500 235.000 337.500 360.000 .000 22.500 45.000 67.500 ¥Ç.

| | | | | ¥ | C 567(1A | 32F) T9 | 53/2 53/ | SU 50 5 | MSFC 567(1A32F) 19 53/2 53/2 03 US SRM BOOSTER | E 3 | | (RB2506) | (909) | | |
|--------------------------|-------------|----------------------|-----------|---------|----------|-----------------------|----------|------------------|--|----------------------|---------|----------------|------------|--------|--------|
| MACH (2) | | . 900 E | BETA (3 | 33 • | 000. | • | 7.3520 | PTA | • 22.011 | 011 | 헕 | 6 .2700 | PSA 0 | • | 13.039 |
| SECTION (1) SRM BOOSTER | 1 588 [| XXXXXXX | | | DEPENDE | DEPENDENT VARIABLE CF | BLE CF | | | | • | | | | |
| X/LS | .0433 | .0722 | . 1013 | . 1158 | . 1518 | . 2240 | . 3323 | 20+4· | .5488 | .6570 | .7653 | .8834 | .9122 | .9555 | |
| Ë | | | | | | 1 | | | | | | | | | |
| 000 | 3288 | 张龙 | | 9388 | 0751 | 1225 | 0770 | .00 8 | 9770. | 1471 | 5684 | . 0629 | . 1387 | .0273 | |
| 22.500 | .3018 | 5113. | .0181 | -1.0227 | 1288 | 0950 | 0732 | .0077 | .067₩ | . 1210 | -,5564 | .0908 | . 1636 | . 1.62 | |
| 45.000 | .2730 | . 1968 | 0003 | -1.0335 | 1938 | 0754 | 0632 | .0035 | . 0599 | . 1128 | 5478 | . 1013 | . 1930 | 1+17 | |
| 67.500 | | | 010- | -1.0377 | 2663 | 0560 | - 0499 | .0087 | .0588 | 940 | 5170 | ₹
= | .2261 | .1756 | |
| 90.000 | . 2493 | 6 1. 91 · | 0150 | | 3146 | 0459 | 0347 | .0108 | .0550 | . 0968 | 5494 | 1221 | . 2089 | 1654 | |
| 112.500 | | | 0192 | -1.0437 | 3726 | 0370 | 024B | .0120 | .0527 | 1 | 4325 | . 1%1. | .2088 | . 1693 | |
| 135.000 | 2482 | . 1602 | 0136 | -1.0336 | 5379 | 0323 | 020- | .0075 | .0512 | 6460. | +1++ | .1150 | <u>v</u> . | . 1943 | |
| 157.500 | . 2473 | . 1550 | 0276 | -1.0578 | 4732 | 04B1 | 0185 | .0148 | .0482 | .0918 | 1.4771 | E |
9±. | . 1927 | |
| 180.000 | . 2522 | . 1577 | 0350 | -1.0293 | 4550 | 0898 | 0169 | .0148 | 8 .9990 | .0977 | 4829 | 0088 | .0808 | .1315 | |
| 202.500 | .2837 | . 1827 | - 0335 | -1.0391 | 4801 | 1451 | ₹.0 | .0147 | .0507 | . 1043 | 5650 | 0450 | .0015 | .0716 | |
| 202.002 | . 3223 | . 2324 | 0197 | -1.0487 | 5120 | 2074 | 0174 | .0216 | .0613 | . 1249 | 4549 | 1066 | 0238 | .0297 | |
| 247.500 | | | CESO. | 1000 | 5892 | 2863 | 0342 | .0147 | 9690. | . 1502 | 2855 | 1338 | 0422 | . 0259 | |
| 270.000 | 4109 | 9613. | .3517 | 8267 | 5097 | - , 2059 | 0538 | .0069 | .0820 | .1791 | 2610 | 1211 | 0454 | 0402 | |
| 292.500 | | | .2368 | 6+68 | 3506 | 1715 | 0501 | . 0255 | . 1064 | .2091 | 5150 | 1141 | 0450 | 0715 | |
| 3.5.000 | C.704 | 72.47 | 0978 | - 9793 | 0476 | 13B1 | -,0559 | .0150 | .1060 | .2035 | 5541 | 0769 | .0959 | 1521 | |
| 227.500 | | d
d | 089 | 9753 | 1000 | 10.10 | CASO | 9990 | 0887 | 1916 | - 5864 | .0072 | 1486 | 0729 | |
| 000.700 | | | 9 6 | 9 | | | | | 0166 | | 1000 | 0000 | 1 407 | 2000 | |
| 350.000 | 9626 | Š | . 0330 | - 238B | 10/0:- | I 663 | 0//0 | 1 00. | B . | | . 2004 | Sugar. | 1001. | . 00. | |
| MACH (2) | • | 906. | BETA (4) | • | 4.000 | • | 7.3520 | PTA | - 22.011 | : 10 | æ | • 6.2700 | PSA 0 | · | 13.039 |
| SECTION (1) SRM BOOSTER | 13SRH E | 100STER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0432 | .0722 | .1013 | .1158 | . 1518 | .2240 | .3323 | . 4405 | .5488 | .6570 | .7653 | .8634 | .9122 | .9555 | |
| ā | | | | | | | | | | | | | | | |
| 000 | .3260 | .2377 | .0355 | 9271 | 1121 | 1733 | 1024 | 0061 | . 0652 | .1153 | 5403 | .0315 | .9762 | 0163 | |
| 22,500 | 2748 | 1899 | | -1.0138 | 1578 | 1336 | 0919 | 0059 | . 054
4 | .0836 | 5233 | .047 | 8+60. | .0466 | |
| 45.000 | .2359 | .1508 | | -1.0544 | 2810 | 1075 | 0758 | 0054 | .0487 | .0816 | 5129 | .0551 | 1108 | .069 | |
| 67.500 | | | 0514 | -1.0571 | 3457 | 0722 | 0574 | 6100. | .0462 | .0781 | 4735 | .0738 | 10*1. | 9680 | |
| 90.000 | .2023 | 1711. | -, 3551 | -1.0628 | 3900 | 0470 | 0364 | .0076 | .0466 | .0779 | 4540 | 0660. | . 1662 | . 1068 | |
| 112.500 | | | 059 | -1.0580 | 4080 | 0340 | 0244 | .0103 | .0452 | .0755 | 4329 | . 1284 | .2320 | .1702 | |
| 135.000 | .2173 | 1288 | | -1.0407 | 5633 | 0242 | 0136 | .0120 | .0498 | . 0825 | 4565 | . 1220 | .2222 | 1.791 | |
| 157.500 | . 2202 | . 12v8 | | -1.0599 | 6761 | 0443 | 1,014 | .0117 | .0¥18 | .0751 | TTT# | .0987 | .2277 |
₩ | |
| 180.000 | 85 Å. | .1477 | | -1.0468 | 6615 | 0979 | 0093 | .0137 | 9.9990 | . 0823 | -,4695 | . 0502 | . 1432 | .2050 | |
| 202.500 | . 287· | 946 | | -1.0408 | 5630 | 1642 | . 0005 | .0210 | .0515 | .0957 | 5159 | .0275 | .0762 | . 1377 | |
| 225.000 | .3352 | .2445 | 0332 | -1.0470 | 5109 | 2785 | 0020 | . 0250 | .0583 | 1711 | 5139 | 0551 | .0395 | 9090 | |
| 247.500 | | | . 0976 | 9936 | 6568 | +004 | 0114 | .0178 | . 0697 | . 1 1 8 4 | 3581 | :260 | 0239 | . 0637 | |
| 270.000 | £388 | .4335 | .3477 | 8126 | 3866 | 4121 | 0595 | 0039 | .0764 | . 1649 | 2303 | 1186 | 0325 | 040B | |
| 292.500 | | | .2687 | 8541 | 1504 | 2819 | 0772 | .0081 | 1960 | . 1679 | 4853 | 105¢ | 0319 | 0639 | |
| 315.000 | 101 | .391 | 1479 | 9197 | 0532 | 2324 | - 0958 | 0024 | . 0926 | . 1 603 | . 493 J | 0715 | . 04 M | 1 | |
| 337.500 | ÷080 | .X. | . 1050 | 9392 | 0551 | 2266 | - 105 | 9.9990 | -0784
- | 1360 | 5358 | 9067 | .0754 | 0654 | |
| 360.000 | .3260 | .2377 | .0355 | 927 | 1121 | 1733 | 18% | - 0091 | . 0652 | . 1153 | 5403 | .0315 | .07€2 | 0163 | |

| DATE OF SEP | K | | | TABULA | TED SOUR | CE DATA. | TABULATED SOURCE DATA, HSFC THT 567 (1A367) | 1 267 (1) | (33) | | | | | | |
|-------------------------|----------------|---|-------------|---------------------------|-----------------------|-----------------------|---|-----------|---|--------|----------|------------|----------|----------|-------------|
| | | | | HSFC | : 567(1A3 | 2F) 19 S | 3/2 53/2 | 13 US SI | MSFC 567(11A32F) T9 53/2 53/2 03 US SRM BOOSTER | Œ | | (RB2506) | s | | |
| MACH (2) | 906. | _ | BETA (5) | • | 8.000 0 | • | 7.3620 | AIA | - 22.011 | | <u>.</u> | 6.2700 | AS
A | • | 13.039 |
| SECTION (1)SPM BOOSTER | DS 1855 C | OSTER | | | DEPENDENT VARIABLE CP | T VARIA | LE CP | | | | | | | 1 | |
| X/LS | .0433 | .0722 | . 1013 | 86:1. | . 1518 | . 2240 | .3323 | .4405 | 88 | .6570 | .7653 | ¥89. | .9122 | 2556 | |
| 7 | | | | | | 1 | | | 9696 | 7100 | 5452 | 5450. | - 6480 | .0245 | |
| 000 | .3187 | .2268 | | 96.6 | - 1785
198 | 2233 | - 1065 | 1000 | . CA9 | 0678 | 5361 | .0321 | .0728 | 1,000. | |
| 22.500 | 3.5 | . 1523 | | -1.0346 | - 403 | 6013 | 5 6 1 CO - | -,0003 | 0480 | .0693 | 5262 | .0261 | .0650 | .002t | |
| 45.000 | 1883 | .09±3 | | -1.6/10 | ACA1 | 0000 | 0479 | 0029 | .043B | .0729 | 4869 | 87.
87. | .0823 | .0118 | |
| 67.500 | | | 101. | 1, 10, 1-1
10, 10, 1-1 | 282 | 0361 | 0312 | .0142 | .0505 | .0712 | -,4567 | .0870 | .1792 | 9860. | |
| 90.000 | 7 |) () () () () () () () () () (| | -1.0867 | 4335 | 0256 | 0229 | .0122 | 8440. | .0671 | 374. | 5 : |) E 10. | - de - | |
| 112.500 | 1683 | .0730 | | -1.0652 | 6324 | 0298 | 0255 | .00±0 | 04.20 | .0679 | | 201 | | | |
| 157 500 | 1917 | 955 | | -1.0624 | 京志. | 0455 | 0250 | .0053 | +csn. | . 000. | 0010. I | 0550 | 1765 | 5 | |
| 190.000 | 2331 | 1361 | | -1.0410 | 6374 | 110 | 0067 | #B10. | | 500 | 5225 | 0139 | 00.00 | . 2283 | |
| 202.500 | 8462 | 2016 | 0121 | -1.0310 | 5556 | 1739 | 1 000. | c050. | 3400 | 1078 | 5296 | 1440 | .0314 | .168 | |
| 225.000 | Sign. | 8559 | 10.0 | -1.0379 | 4667 | 2976 | 1000. | 9 4 | 5150 | 70 | 3957 | • | 0145 | 0170. | |
| 247.500 | | | · | 9878 | 5742 | 500 | 0.10.1
0.000 | 1000 | 0674 | 1818 | 2939 | ٠ | - 0595 - | 0695 | |
| 270.000 | 4555 | . 438B | | 80St | 2018 | 2020 | . 1933 | 1000 | 5 | 1791 | 5135 | ٠ | . 4110 | 0580 | |
| 292.500 | | | | 8301 | 0230 | 100 | 10337 | 960 | 200 | 1652 | 5068 | 0664 | | 1406 | |
| 315.000 | .4812 | .4238 | | • | .0053 | 1.00 to | - 1637 | 0000 | 5070 | 1416 | 5324 | 0045 | | 0827 | |
| 337.500 | .4336 | -35E. | • | | C9/0 | 2555 | 5001 | - 0061 | 6090 | 7.460 | 5452 | . 0242 | . 0847 | 0246 | |
| 360.000 | .3187 | . 2268 | \$
\$00. | | <u> </u> | 6633 | | | | | | | | | 1 |
| MACH (3) | • | 1.050 | BETA (| • | -8.000 Q | • | 8.4534 | PTA | . 22. | 22.009 | e
di | 6.5780 | Š | • | 9
6
9 |
| SECTION (1)5RM 804 | E 5881 EB | 00STER | | | 30N3430 | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| | | ç | *101 | 981 | A1.71 | 2240 | .3323 | \$014. | .5488 | .6570 | .7653 | .8834 | .9122 | . 9555 | |
| X/LS | . 9 433 | . U / C | | | | | | | | | | | | | |
| Ē | | | | | | | 9020 | 101 | PACC | 475B | 5279 | .e15 | .2963 | .2005 | |
| 000. | .4616 | 3964 | • | . 603. | 1. 100 to | 666 | | - 1183 | .2671 | .+369 | 5520 | .2240 | .3384 | 3488 | |
| 22.500 | 200 | | | | • | 1297 | | 1660'- | <u>.</u> | .4010 | 5548 | . 2823 | .4813 | 50.5 | |
| 45.000 | 9 | Ç. | • | • | 3005 | 1206 | | 0672 | .2337 | .3521 | 54.7 | .3133 | 5335 | , | |
| 00.70 | 82.54 | 7500 | | ٠ | 3018 | . 1012 | · | 05+3 | .2122 | 3034 | 5114 | . 5041 | 9164 | 46.28 | |
| 10.500 | | | • | 6240 | 3363 | .0792 | | 0. E. | . 1879 | B+02. | B194 - | 7.5 | 3384 | 2850 | |
| 135.000 | .¥532 | .3863 | . 2388 | • | 3802 | 523. | | 0633 | 0/91. | 2, 27 | 1 Can | 0632 | 1699 | <u>.</u> | |
| 157.500 | 4288 | 35.3 | • | • | • | | • | 5/50 | | 9 9 9 | 1150 | 0422 | 0150 | .0541 | |
| 180.000 | 4.058 | . 3283 | ٠ | • | ' | | 0053 | C466 | 1551 | 66.6 | 5165 | 1108 | 1189 | 0270 | |
| 202.500 | 6114. | .3382 | • | • | • | 0667 | 1010 | 100 | 1864 | 2792 | \$682. | 2059 | 1159 | 7710. | |
| 225.000 | Z. | . 377B | ٠ | • | | 5.1. | | | 1805 | 2840 | 2101 | 2187 | 0905 | . 0635 | |
| 247.500 | | | • | • | 7210. | | • | | 1955 | .2679 | 2000 | 1B*0 | CBB7 | .0903 | |
| 270.000 | . 5026 | . 15 A | IBIC. | 67730 | | | .0003 | | 2596 | .4768 | 5072 | 1468 | 1129 | 0055 | |
| 292.500 | | 90111 | • | | | | | • | .27:8 | . 4385 | (£64'- | 0116 | . 2283 | - 2265 | |
| 315.000 | . 4835 | D | | | | | • | | .2713 | ****** | | . 1263 | 3068 | 0.000 | |
| 337.500 | 200 | | • | | | | | | .2789 | .4758 | 5279 | 1515. | . 2963 | 535 | |
| 366.000 | | } | • | | | | | | | | | | | | |

| | | • | | Ē | MSFC 56711A32F) 19 53/2 53/2 03 US SRM BOOSTER | 12F.) T9 (| 53/2 53/6 | 8 63 65 5 | 3RM B005T | 5 | | (R82506) | ê | | |
|--------------------------|---------------|--------------|--------------|------------------|--|-----------------------|-------------|-----------|-------------------------|-----------------|-----------|---|---------------|---------------|--------|
| MCH (3) | 1.050 | 50 BETA | TA (2) | | ٠٠, 000 م | • | 8.4534 | A14 | - 55. | 22.009 | . | 6.5780 | Ą | • | 10.958 |
| SECTION (1) SAN BOOSTER | 08 HBS C | OSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | £ 9. | .0722 | .1013 | | . 1518 | .2240 | .3323 | 4405 | .5±88 | .6570 | . 7653 | .863v | .9122 | .9555 | |
| ₹ | | | | | į | | | 2 | Ş | 1 | , F.R.07 | 9 | 2793 | 5771 | |
| 000. | . 4789 | 7114. | Į. | 6327 | - 1671 | 7410 | - 0340 | U933 | e X | 2027. | 200 | 1635 | 2703 | 2879 | |
| 22.500 | 169 | . 5050 | | BICE: | 0/03. | +5+0. | 5.00. | 6260 | 2383 | 3517 | 5646 | 196 | 35.55 | 353 | |
| 45.000
63.000 | . 4550 | 100 5 | | 1000. | 1. 18.55
18.55
18.55
18.55 | 0549 | 0021 | 0787 | . 222t | 3156 | 5483 | 1755. | .4305 | .3710 | |
| 200.70 | 52.53 | 7887 | 2.0 | - 6448 | 3640 | .0547 | .0000 | -,0608 | .2086 | . 2898 | 5169 | . 2367 | .¥.38 | 3712 | |
| 112.530 | | | .2377 | 6506 | 3952 | .048B | 0022 | 045¢ | . 1965 | 7173. | 4832 | .2187 | . 36.
1. | . 3457 | |
| 135.030 | .4386 | 3719 | .2279 | 6570 | 4015 | .0397 | £600 | 0363 | . 1866 | 5678
5678 | 1,4551 | 2 6 | 06.18. | שטים.
פיקו | |
| 187.530 | L 4307 | .3583 | .2089 | 6705 | 4309 | .0169 | 0158 | # 10° - | - 180
- 180
- 180 | .2607 | 5 4 4 4 5 | 5460. | 1020. | 1630 | |
| 180.030 | .4157 | ¥. | 161 . | 686 1 | 4655 | 0167 | 0171 | 7.07 | 255.5 | G X | 707. | | 0.00 | 0.000 | |
| 302.500 | .¥282 | .3555 | . 1873 | 697* | 785 | 1115 | ¥ 10 | 9100. | 7001. | ייטריי.
מאמט | 2010. | | | 0749 | |
| 225.000 | .4539 | .3976 | 86 | 7039 | 7074 | - 1800 | U. I. | 0110. | 50.4 | 7.48 | 25.0 | | - 0564 | .0857 | |
| 247.500 | | | 80 | 1649 | 700. | 200 | 20.0 | מליסט. | | 30B1 | 545 | • | 10.0° | .6793 | |
| 273.000 | độ. | 2230 | by C | - 4861 | 2044 | 6673. | 100 | 1000 | 3 50 | 4361 | - 5248 | | C51C | .0225 | |
| 292.530 | | Š | 500 | E000 - | 0000 | 0.00 | 5650 | 0828 | 2602 | 4522 | 5272 | 0175 | . 2502 | - P41: | |
| 315.000 | /*IC. | * 10 f | 26.57 | 2019 | 1656 | 7500 | 0362 | 9.3990 | .2576 | BE44. | -,5395 | . 1027 | 6462 | .029 | |
| 337.300 | 3164. | 51.14 | i d | 659 | - 1671 | 7410. | 0340 | 0933 | .2607 | . 4205 | 5507 | 1659 | .2793 | .1779 | |
| 300 - DQS | B/F. | | | | | | | į | 5 | 6 | | . 6 5780 | 3 | • | 10.358 |
| MACH (3) | 8 | _ | BETA (3) • | | 000. | • | B. 4534 | <u> </u> | | £6.003 | | | | | |
| SECTION (1) SPM BOOSTER | 1) SRH 80 | OSTER | | | DEPENDE | DEPENDENT VARIABLE CP | BLE CP | | | | | | | | |
| X/LS | .0433 | .072E | .1013 | . 158 | . 1518 | .2240 | .3323 | £07±. | 5488 | .6570 | .7653 | . 883 <u>.</u> | .9122 | 66.65 | |
| Ē | | | | | | | | | | | į | | 6 | 600 | |
| 000 | .4823 | 0414 | 54.42 | 6514 | 2223 | 08£0 | - 029 | . 18 | . 1972 | 3036 | | 2 2 | 2 6 | 910 | |
| 22.500 | .4636 | .3967 | 15357 | 6589 | £75. | 0432 | 0307 | - 1289 | 9 5 | BS PS . | 3,00. | 0011 | 7196 | | |
| 45.000 | £03. | .573 | 8.5 | B099 | 2. S488 | 0810 | . 0235 | - 1007 | \$08C | 36. | 5250 | . 1723 | 3209 | .2967 | |
| 000.70 | 0169 | 1583 | 2050 | 1699 | 4139 | .0112 | 0266 | 0755 | .1730 | .2566 | 4912 | . 1987 | . 3225 | .2978 | |
| 112.500 | | | .2043 | 6703 | 4233 | .0143 | 01 9 | 0550 | . 1685 | 040N | 4518 | 6.
6. | .3051 | 786 | |
| 135.000 | .¥186 | .3493 | .2030 | 6710 | £7.±°- | .0066 | 0161 | 0¥12 | 196 | . 2509 | 1929. | 0591 | ייי
פייאני | | |
| 157.500 | .4233 | .3507 | 1961 | 6791 | 4386 | -,0208 | 0147 | 020- | 0,570 | 50 AU | 1907 | 131C | 1607 | 25.32 | |
| 180.000 | 61. | 333 | 0000 | 683 | - C | | F. U | 200. | 1592 | 48.6 | 4920 | .0268 | 9070 | . 1520 | |
| 202.500 | Ç | 00/5. | | . 6033 | -,4827 | 2272 | 0224 | .0017 | 1709 | .2737 | 4581 | | . 0233 | .0958 | |
| 247 500 | | | | 6334 | 5257 | 3938 | 0203 | 0060 | . 1860 | 3008 | 2714 | | | ±050°. | |
| 270.000 | 82 | 5793 | 5311 | 4762 | -, 1802 | 3103 | 0261 | 0398 | . 1932 | .3221 | 2342 | | • | 0031 | |
| 292.500 | } | | 4258 | 5476 | 0965 | 1764 | 0275 | 0466 | .210 | .3415 | 4502 | | | 0332 | |
| 315.000 | .5161 | .5080 | 3090 | 6267 | 0971 | 1478 | 0243 | 0655 | .2132 | S A | 6964 | 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 9051. | #0/ 1 | |
| 337.500 | 9164. | 5 | . 2765 | 6388 | 0803 | 1206 | 0311 | 9.9990 | 2019 | 3540 | 7505. | , CC 0 - | | | |
| 360.000 | .4823 | 0414. | . 2442. | 189 | 2223 | 0860 | 6288 | | 3/61. | 8
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8 | 3000 | ? | ; | <u>;</u> | |

DATE OF SEP 28

(RB2506

MSFC 567(1A32F) T9 53/2 53/2 03 U5 SRM BOOSTER

.0. 88. 0. .0990. .0990. .0990. .0971. .0757. .01873. .1873. .1873. .1873. .1873. .1873. .1873. .1873. ž .1156 .1378 .9122 6.5780 .0948 .0934 .0934 .1196 .1196 .11659 .11659 .1185 .-1311 .-1327 .-1311 .0094 .0699 .883 -.4519 -.4363 -.4421 -.4457 0474.-6784.-7194.--.4838 -.3770 -.4089 -.5083 .7653 -.4557 -.2134 -. 4211 z .6570 22.009 5488 7.1867 1.087 -.0692 -.0727 -.0731 -.0641 -.0550 -.0556 -.0526 -.0626 -.0079 -.0079 -.0079 -.0079 P7 £63. -.0253 -.0303 9.9990 -.0496 -.0216 -.0103 -.0016 -.0276 -.1015 .3323 -.0148 -.0742 -.0030 -. 1138 -.1110 - B.4534 DEPENDENT VARIABLE CP .2240 -.1017 -.0493 -.0219 -.0282 -.0616 -.1319 -.2848 -.2000 -.2279 -.3141 -.4813 -.4490 -. 21Bt -.4528 -.4505 -.4482 -.4437 -.4262 -.3524 -.4478 -.1015 .0443 . 1518 -.4128 L###.-£.000 . 150 . 6790 . 6793 . 6793 . 6803 . 6790 . 6790 . 6790 . 688.5 -.6759 -.6745 -.6839 -.5164 - . C+1-4 -.4707 -.5891 BETA (%) . 1013 .0722 .4135 .5723 3543 .3137 3168 37:1 .5304 .4762 .4155 1.138 1374 SECTION (1) SPM BOOSTER 8 .0433 3881. 3801. 3993. £1.3. 82 4050 3773 PACH : 30 • 118.500 135.000 157.500 180.000 202.503 225.000 270.000 270.000 315.000 337.500 67.500 90.00

DEPENDENT VARIABLE CP **8**.000 SECTION (1) SPH BOOSTER 8. TACH (3)

-.2000

.5176 1774.

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. 1550 . 1331 . . 9219 . . 9261 . . 0790 . . 65410 7.1537 23.00 2.2562 2.252 2.353 1.1141 1.1141 1.141 .11652 .1104 .1185 .0467 .0634 .0678 .1003 -.5100 -.4943 -.5019 -.5150 -.5189 -.4866 -.4700 -.4550 -. 4989 -.4367 -.4672 -. 2864 . 1809 . 1836 . 1857 . 1867 . 1868 . 1868 . 1854 . 1854 . 1854 . 1854 . 1854 . 1857 . 1865 . 1866 . 1866 . 1866 . 1866 . 0326 . 0285 . 0286 . 0287 . 0287 . 0287 . 0287 . 0297 . 0297 . 0326 . -.0158 .0031 .0045 -.0158 -.1233 -.1700 -.0258 -. 1498 -.3057 -.2696 -.1740 -.0899 -.0488 -.0356 -.0593 -.1073 -.1933 -.2982 -.3922 -.5883 -.5885 -.3723 -.3173 -.3057 .004 -.1135 -.2479 -.3831 -.4589 -.4743 -.4739 -.4569 -.4156 -.2972 -.2105 . 19.9. -.6911 -.7003 -.6920 -.6565 -.6546 -.6648 -.6989 -.7009 -.7056 -.5954 -.4660 -.5081 -.5568 -.5543 -.5934 . 1013 . 1859 1365 1365 1292 1356 1356 1579 2297 2297 3175 .5189 .4150 .3546 .3376 .3377 .3163 .0722 2835 2835 33349 33728 3128 .4078 .3433 3506 **8**8. . 1893 1893 1078 9.33 .4581 3988 .3537 398°. 50.05. 50.05. ああっ \$ 1374. 90,000 112,500 135,000 167,500 180,000 225,000 277,500 277,500 277,000 285,500 337,500 337,500 22.500 45.000 67.500

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- 7206 -.2607 -.3463

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|--|-------------|----------------------------|---------------|----------------|--------|---------|----------------|---------|---------------|-------------------|----------|---------------------------------------|-------------|-------------|---------------------------------------|--------|
| 1,00,13 1,722 1,013 1,119 1,519 1, | MACH (4) | • | | - | | | • | 9.2830 | PTA | | 600 | 쉱 | | | • | 9.5280 |
| Color Colo | SECTION (| 385 | COSTER | | | DEPENDE | NT VARIA | BLE CP | | | | | | | | |
| Color Colo | X/LS | 1 1 1 1 1 1 1 1 1 1 | .0722 | . 1013 | . 156 | | .2240 | .3323 | \$034 | 88 £. | .6570 | .7653 | .883 | .9122 | 666 | |
| Color Colo | æ | | | | | | | | | | Ş | į | i i | ġ | Ş | |
| Color Colo | 9 0. | 27.3 | 1 A | . ¥03 | . 3876 | 2073 | 20 | 900 | 18C5. | Ucad | | 5 | 0500 | | 1900 | |
| 110 | 22.500 | 81.5 | .3573 | .3361 | . 355 | 2250 | 10.
10. | £/n:- | 200. | 0800 | | | 9050 | | 90.90 | |
| 10.00 1.00 | 45.000 | 1906 | .3380 | <u>8</u> | - 3929 | Z. | .0331 | 0706 | +9CD | 9 (a) | /cl3. | ָרָהָלָה.
מיניים | 5 | | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| 1.00 | 67.500 | | | Ę. | .392 | 2596 | 00 | 044B | 0391 | 0787 | S | 10.0.1
10.0.1 | | 9 | 9.00 | |
| 1902 1904 1905 1906 | 90.000 | . 1635 | .28
2182 | ₹
F | 3942 | 2679 | \$. | 0137 | 0200 | 0588 | B : | 100 | | 1000. | 8 9 | |
| 1900 2872 3893 -2786 -1186 -1086 -1081 -1189 -1482 -1482 -1483 | 112.500 | | | 3102 | 4002 | 2727 | - 100 | 0500 | 0141 | - E | 5191. | 100 | 3450. | , i | 6 8 | |
| 1.00 | 135.000 | . 1042 | .2937 | . 3020 | - 3998 | 2786 | 1348 | .0078 | 0162 | | . 1789 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | B. (5. | | e
e | |
| Color Colo | 157.500 | 21.2- | .3107 | Ę | 402B | 2918 | 138 | .0032 | 0041 | 0131 | . 1677 | 3732 | | | 8 | |
| 1,000 1,00 | 180.000 | .2045 | .3653 | .3012 | 4103 | 307 | 1425 | .0107 | 0008 | 9.9990 | . 1631 | 4082 | - 100. | [6] | 100 H | |
| Color Colo | 202.500 | .2289 | 3925 | 3023 | 1714 | 3562 | 1631 | 0062 | 0091 | . 0059 | . 1675 | 3757 | 0380 | .C673 | 1537 | |
| 1973 | 225.000 | .2553 | 1644 . | 32.6 | F24* | 3839 | 1835 | 0199 | 0107 | .0138 | . 1850 | - W. | - 0938 | 0302 | . 2831 | |
| 10.00 10.0 | 247.500 | | | 4195 | 3671 | 4262 | 2479 | ₹0 | 0165 | . 0205 | . 1979 | - 2999 | 1476 | 0573 | . 056 5 | |
| 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, | 270.000 | 3003 | .6136 | 6470 | 2176 | 3576 | 2964 | -, 0052 | 0423 | . 0320 | .2351 | 3297 | 1409 | C540 | - 103. | |
| Charles Char | 200 | | | .5073 | 3210 | 2822 | 1027 | .0158 | -, 0390 | .0342 | 3781 | 4039 | 1296 | 653 | 1. CH25 | |
| Color Carro Carr | 215 000 | 2 | L-907 | 200 | 3865 | 2573 | 0010 | 0008 | 0557 | . 0063 | .4047 | 4373 | 0482 | 1257 | 2847 | |
| Charle 1,559 SBN4 3403 3886 -2073 1,052 -1,050 -1,028 - | 373.000 | 100 | 286.4 | 1 4 | | STEC - | 2 | 6440 | 9.990 | 0359 | 3880 | 4849 | .0347 | £383. | C+38 | |
| Charles 1,250 BETA (4) = 4,000 Q = 9,2830 PTA = 22,003 RL = 6,6880 PSA = 110H 1,55H BOOSTER CPECATION VARIABLE CP CASA | 357.300 | | 77. | 2 6 | 466 | | | 9090 | 0501 | 0000 | 8 | . n. | Ou Si | 3 | 5000 | |
| 1,250 1,250 1,250 1,130 1,130 1,130 1,130 1,220 1,323 1,4403 1,590 1,590 1,250 1,250 1,250 1,130 1,1 | 360.000 | errs. | Ī, | . 3403 | 38C9 | 60/3 | Ç. | | B CS . | . 000 | e
K | | 5 | : | | |
| CONST. C | MACH (*) | • | | | • | | • | 9.2830 | PTA | | 600 | | | | • | 8.5280 |
| 1,000 1300 1300 1315 1159 1151 1159 1254 1323 14403 1596 1596 1563 1463 1596 1463 1596 1463 1596 1463 1596 1463 1596 1463 1596 1463 1596 1463 | SECTION (| 3 FF. | OOGTER | | | DEPENDE | AT VARIA | BLE CP | | | | | | | | |
| 1866 | X/LS | P. 93 | .072 | .1613 |
 | .1518 | .22.0 | .3323 | .4403 | 98.
88. | .6570 | .7653 | .683- | .9122 | .9555 | |
| 1982 3941 3115 -1824 -1824 -1084 | į | | | | | | | | | | | | | | | |
| 1932 3941 3115 -1932 | Ī | | i | | | \$ | 1 | 980 | ģ | | 200 | 9191 | 900 | 1,00 | 8 | |
| 1932 1937 1933 -44103 -2607 -0496 -0765 -0354 -1953 -5068 -0344 -0356 -0357 -0498 -0355 -0354 -0499 -0581 -2012 -0490 -0550 -2577 -0173 -0525 -0784 -0521 -1952 -2410 -0550 -2577 -0134 -0521 -1962 -2410 -0550 -2577 -0134 -0521 -1962 -2410 -0550 -2575 -0264 -0314 -1765 -0314 -0525 -2410 -2557 -2523 | 3 | | | 3 . | | | | 0.00 | 0.00 | 8 | 2058 | 8164 | CE30. | 1430 | 86 | |
| 1302 2801 2903 -1,4124 -2904 -1,0134 -1,0254 -2,0125 -1,0134 -2,0135 -2,0134 -2,01 | 200. An | | | 2 | 6013 | 2 | 98 | 0886 | 0765 | 980 | 1953 | 5069 | . G344 | 1.153 | .1372 | |
| . 1302 . 2874 . 24131 . 2934 - 1113 - 10945 . 10134 . | 67.500 | ! | | 98.0 | 3614 | 2860 | 0332 | 0781 | 0344 | 0881 | .2012 | 4430 | .0596 | t (8) | 1631 | |
| . 1302 . 2874 . 29130096033701340621 . 1582375808582750844044318623433091322527508440443186234330913225275084404431862343309132252863486348234823386308640443186543110929286328632863081408140814082448110929286328632863081408140814082418270824286328630814081 | 90.000 | 560 | | 2553 | 1.4171 | 290¥. | 0173 | 03+3 | 0325 | 0 01 5 | . 2026 | 4190 | .0653 | . 2357 | <u>-</u> | |
| . 1302 . 2874 . 2419 - 4196 - 26790244027500840443 . 18593433 . 0913 . 2215 | 112.500 | | | 5445 | \$ | 2931 | 0098 | 0337 | ₹0 | 0621 | . 1982 | 3758 | . 0958 | Ý. | <u>.</u> | |
| . 2023 . 2923 . 2963 4203 0619 0267 0314 1765 4311 0929 . 2593 . 2061 . 3074 2595 4329 3341 1412 0369 0214 9.9990 . 1601 9227 . 0532 2156 2823 3392 1422 0369 0013 . 1639 3593 0223 0224 2822 2822 0839 0169 1799 3639 1239 1239 0224 4029 3639 1841 1553 4106 2822 2809 2869 0127 0169 1969 3639 1213 0224 2822 2839 2822 0291 0417 2929 1711 1553 0915 2832 1848 0649 0790 0712 2949 1463 1269 0169 0613 3227 4333 1229 1848 1072 0799 0813 3227 4333 1229 1871 1871 0779 0799 0699 0 | 135.000 | . 1302 | Z.83 : | <u>8</u> | 4198 | 2979 | 0244 | 0275 | - 00 B | O+43 | . 1859 | 3433 | .0913 | 55.6 | 1년
1 | |
| 2825 3487 2668 -44323 -3341141203580214 9.9990 16014227 .0552 .2155 .2853 .3487 26684323 -3392182504050161 .0035 .163939530223 .0521 .2833 .4106 289744223503209703980177 .0169 .1799363916390224 .28921813163928920501 .0417 .2895363917111553 .2895289528951813164604040510 .0112 .2897415411631813 .3514 .416939921813 .3227415414631813 .3227415414631813 .322741541913 .32291813 .317930121813 .3179301218131871078908990894 .0165 .317930131871078908990894 .0165 .3179301318711871078908990899089945624594 .026945624564 .02694564 .02694564 .02694564 .02694564 .02694564 .02694564 .02694564 .02694564 .0269 .02694564 .0269 .02694564 .02694564 .0269 .02694564 .0269 .02694564 .0269 .02694564 .0269 .0 | 137.500 | .1735 | . 2923 | P.63 | 4203 | 3060 | 0619 | 0287 | 0021 | 0314 | .1785 | 4311 | 6260. | . | in. | |
| . 3433 . 4106 . 2897 - 4422 - 1825 - 1845 - 1015 . 0135 . 1638 - 13953 - 1222 . 1829 . 1848 . 1848 - 1014 . | 190.000 | .2061 | K SR . | Ş | 4329 | .3341 | 1412 | 0368 | 0214 | 9.990 | 1601 | 4227 | .0532 | .2156
58 | . 2895
260 | |
| .3433 .4106 .289744223503209703980177 .0168 .1799353915390224 .17131553 .4106 .1896 .39974024289205030122 .0289 .1960246917111553 .4108 .1896 .20360251 .0417 .2297246917111153 .17111153 .1896 .20372297229722981513161316460940 .0570 .0112 .2297415414630975 .1153 .22974154 .11690975 .1169 .11592417 .2607106406030794 9.9990 .0626 .31793013167916790794 9.9990 .0626 .317930131671078507990999 .0628 .317930131671078507990899 .0628 .317930131671078508990899 .0628 .345445481671078508990899 .0628 .3454454836131671078508990899 .0628454845481671078508990899089908994548 - | 202.500 | 283 | ₩. | . 265 8 | 4323 | 3392 | 1825 | 0+06 | 0: 61 | .0035 | . 1639 | 3953 | 0223 | .089 | 7883 | |
| . 1862 | 225.000 | ER.A. | 106 | .2897 | 4452 | 3503 | 2097 | 0398 | 1.017 | 0168 | 1799 | 3639 | 1239 | 신 | . 1317 | |
| - 1153 - 1398 - 1598 - 1513 - 1659 - 1038 - 1035 - 10417 - 1289 - 1548 - 1153 - | 247.500 | | | £039 | 3862 | 402v | 2852 | 0503 | 0122 | .0289 | . 1960 | 2469 | 1171 | 1053 | . 25.
F | |
| - 3763 - 1613 - 1613 - 1040 - 10570 - 1010 - 1040 - | 270.000 | <u>\$</u> | 5926 | .638 | 2173 | ₹887. | 2869 | 0388 | 0251 | .0417 | . 2297 | 2,489 | <u>.</u> | ee = :- | <u>.</u> | |
| . 1333 . 1517 1260 . 1393 - 1108 - 1064 . 1060 . 1090 . 10813 . 1267 - 1203 - 1204 . 1015 . 1090 | 292.500 | | | 95 F. | 2835 | 1613 | 1646 | 040 | 0570 | 5170. | .296⊁ | \$ 3. · | - : 1463 | - 0976 | 8 | |
| . 1930 . 13917 - 13629 - 1604 - 10772 - 10794 9.8930 . 10526 . 1179 - 15015 - 10415 . 10559 - 13359 . 13648 . 10559 - 11455 . 11456 . 11466 . 11466 . 11466 . 11466 . 11466 . 11466 . 11466 . 11466 . | 315.000 | .4333 | Ę. | .4260 | 3592 | 1489 | 1064 | 0803 | 0790 | .9813 | .3227 | 4303 | 6 0. | ::
6 | ברשו י | |
| .3355 .3866 .385838331871078508990858 .085885838588 .0258 | 337.500 | 9864 | . *360 | .3917 | . 3629 | 160¥ | - .0772 | ₹.07 | 9.9930 | . 0526 | .3179 | 5012 | . 91.5 | . 0959 | 6.07.0
6.07.0 | |
| | 360.000 | 3333 | PR. | 第 表 | 3833 | 1871 | 0785 | 0399 | 0 89 | .0168 | 13.03 | 9434 | . 0268 | £. | Æ. | |

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0850. .9122 . 1626 . 1454 . 1679 .9122 (AB2506) 6.6890 5.3300 .0109 .0004 .0199 .0511 .0819 .1352 .**88**3+ .1311 .1239 .0395 -.0167 -.1057 -.0548 -.0009 -.1167 . 88.7¢ . 1086 . 1830 . 1830 . 0553 . 0553 . 0553 . 0017 . 0013 . 0013 . 0013 . 0013 . 0013 . 0013 . 0013 . 0013 . 0013 . 0013 -.4668 -.4454 -.4910 -.5204 -.5320 .0863 .0863 .0176 -.0023 -.0253 . 7653 -.5205 -.4932 -.3799 -.3627 -.4562 -.4710 . 7653 -.4862 -.0361 덛 .6570 2160 21790 21790 21775 21775 2160 2160 2160 2160 .6570 .0731 .0759 .0856 .0940 .0333 .0331 .0321 .0273 .0359 .0359 .0359 .0359 22.009 .5.88 -.0641 -.0638 -.0500 -.0513 9.9990 .0026 .0010 .0080 -.0040 .0440 -.0074 -.0397 .0573 . 5±88 PTA .4405 -.1027 -.0827 -.0483 -.0229 -.0117 -.0320 -.0244 -.0278 -.0453 -.1063 -.1201 9.9990 -.1264 -.1264 .4403 . 3323 -.057* -.0558 -.0577 -.0556 -.0594 • 9.2830 -.1201 -.1110 -.0885 -.0835 -.0765 -.1022 -.1729 5.7176 . 3323 . 0312 . 0312 . 0520 . 0530 . 0510 . 06000 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 06000 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 06000 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 06000 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 06000 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 06000 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 06000 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 06000 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 06000 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 06000 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 . 0600 DEPENDENT VARIABLE CP DEFENDENT VARIABLE CP -.1522 -.0527 -.0053 -.0050 -.0050 -.1318 -.1318 -.1929 -.2518 .2240 -.3144 -. 1863 . 05943 . 0497 . 0497 . 0497 . 0497 . 0497 . 0592 . 0592 . 0592 . 0592 . 0592 . 0592 . 0592 . 0592 . 0592 . 0592 . 0592 . 0592 . 0592 . 0592 . 0592 . 0692 . .2240 -.1005 -.2195 -.2193 -.3023 -.3129 -.3129 -.3129 -.3129 -.3258 -.2589 -.3526 -.1903 .1518 .1776 .1518 .0386 .0309 .0309 .0423 .0426 .0420 .0230 .0230 .0221 .0260 .0260 .0502 .0502 .0502 .0502 .0502 .0503 .0502 .0503 B. 000 -8.000 -.4284 .1158 -.4286 -.4265 -.4225 -.4328 -.3785 -.4241 -.4261 -.4291 -.2219 . 158 -.2961 . 0159 . 0297 . 0397 . 0506 . 0504 . 0509 . 0509 . 0309 . -. 3835 . GETA (1) BETA (5) .1013 2725. 2029. 2029. 2029. 2009. . 1013 . 2696 . 3362 . 3393 . 4019 . 4019 . 3993 . 3993 . 3993 . 3993 . 4520 . 4520 . 4520 . 4520 . 4520 . 4520 . 4520 . 4520 . 4520 5270. .4813 .4256 .3352 2119. 2364. 2753. 3328. 4058. .3352 2791 .1943 .0722 .3052 .3536 .3605 .33660 .3380 .2845 .2334 .2072 3973 .566 .2131 2005. 2005. SECTION (1) SAN BOOSTER SECTION (1) SAN 80051.A Z. 3.500 0+33 . 1922 1057 1551 1844 12597 3775 0433 <u>.</u> 9866 3497 SE A 38.5 386 .3596 .3586 .3326 .3123 3146 229, - CF - HOWE TACH COST 45.000 67.500 90.000 117.500 157.500 187.500 202.500 275.500 275.500 275.500 45.500 45.000 67.500 90.000 1112.500 1135.000 125.500 225.500 275.000 315.000 315.000 337.500 315.050

TABLEATED SOURCE DATA, MSFC THT 567 (1A32F)

| Column C | | | | | | | | | | | | | * 1355 | | • | 1 |
|--|-------------|----------------|--------------|---------------|-----------------|---------------------|---------------|----------|--------|-----------|---------------|---------------|---|-------------------|--------------------------|-------|
| 10.43 10.75 10.13 11.16 11.16 11.16 12.24 3.23 3.440 5.966 6570 7633 8654 5.22 5.25 | 6 | | | - | • | | • | 5.7176 | P1A | | 910. | ał | J. 550.0 | | | 575.3 |
| Characteristics Characteri | SECTION () | 254H 800 | STER | | | GEPENDE) | IT VARIA | 85
13 | | | | | | | | |
| Column | X/LS | .0433 | .0722 | . 1013 | <u>=</u> | .1518 | .2240 | .3323 | .4405 | £. | .6570 | .7653 | .863+ | .9.22
6. | 8 | |
| 990 2700 2804 | Ē | | | | | | | | | | | | | | | |
| 10.00 1.00 | 000 | .2903 | Š | 8.8 | 0005 | .0166 | .0169 | 83 | .0450 | .0413 | .0291 | . 6589 | 683 | 7555. | .233 | |
| Color Colo | 22.503 | 86.
86. | 200 | 5655 | . co 6 6 | 1600. | 52 | .0058 | 0. | . 0338 | .0291 | .0213 | . 1357 | ng
Pig | e
Ki | |
| 1989 1987 1988 1987 1988 1988 1988 1988 1988 1988 1988 1988 1989 | 45.000 | .2869 | ž. | 2805 | 52 | - 0000 | .0186 | .0173 | .0378 | . 67.98 | .0277 | 0327 | 9
() | 3 | 表
X | |
| Column C | 67.500 | | | .7865 | .0220 | \$ 1 00. | 9810. | . 0223 | .029 | .0323 | C450. | 032+ | . D332 | 33.87 | S. | |
| Secondary Seco | 90.000 | . 278 6 | . 23. | 2869 | .0250 | 100 00. | .0159 | .0234 | .0217 | \$ NO. | .0176 | 0361 | .0193 | Car
Car
Car | 2
2
2
3
4 | |
| Color Colo | 112.500 | | | 96.
55 | 6230 | .0037 | .0186 | .0200 | .0142 | .0036 | .0091 | 0378 | . 6325 | | | |
| 350 2577 3612 2479 1007 -1013 -1007 -1013 -1017 -1013 -1013 -1017 -1013 -1014 | 135.000 | (479. | :20 6 | .en3 | 6410. | 0029 | .0183 | .0139 | 0016 | 0009 | 0019 | 10+0:- | .0328 | ф | <u>(</u> | |
| Column | 157.500 | 277S | .2612 | 5.50 | .0037 | 0016 | 6410. | .0007 | 01 3¥ | 0067 | 0070 | 0259 | u + ::::::::::::::::::::::::::::::::::: | 33 | <i>I</i> | |
| Second 1917 1808 1007 -0035 -0048 -0109 -0115 -0105 | 180.000 | ESC. | .228 | <u>\$</u> | 0162 | ë
S | 9500 . | 0203 | 0158 | 9.9990 | .000 0 | 0+6B | ende. | in in | 6 .63. | |
| 000 (2349 (1670 2022 0.029) (-0.029) (-0.002 - 0.199 - 0.1172 (0.027 - 0.175 - 0.123 0.029 - 0.199 (1707 0.025 0.0199 - 0.199 (1707 0.025 0.0199 - 0.199 (1707 0.025 0.0199 - 0.199 (1707 0.025 0.029 0.029 0.029 (1707 0.025 0.029 0.029 0.029 0.029 (1707 0.025 0.029 0.029 0.029 (1707 0.025 0.029 0.029 0.029 0.029 (1707 0.025 0.029 0.029 0.029 0.029 (1707 0.029 0.029 0.029 0.029 0.029 (1707 0.029 0.029 0.029 0.029 0.029 (1707 0.029 0.029 0.029 0.029 0.029 (1707 0.029 0.029 0.029 0.029 0.029 (1707 0.029 0.029 0.029 0.029 0.029 (1707 0.029 0.029 0.029 0.029 0.029 (1707 0.029 0.029 0.029 0.029 0.029 (1707 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 0.029 (1707 0.029 | 202.500 | 8 60 | 1917 | 1808 | 038 | .0057 | 003C | 0.13 | 3600 | . 0033 | 7.00 | 01-5 | 8
5: | 0.0 | 1 | |
| 550 1779 2784 1879 | 225.000 | . 2349 | .1673 | .2022 | .0287 | .0426 | 0591 | 0+02 | 0199 | ni 72 | . 0027 | 0175 | [33. | 9 | | |
| 000 (2229 (1578 (1797 (1 | 247.550 | | | . 2759 | .2348 | .0510 | 0737 | 0+32 | 0229 | 0155 | .0189 | 0149 | . DR4.1 | 187 | 5 66 | |
| Second Control Contr | 270.000 | 1883 | .1707 | 85.59 | .4537 | 9680. | 07% | 0493 | 0131 | 0185 | .9175 | 0389 | 88 IC. | . 1275 | 135 | |
| Same 1678 2157 0.056 0.059 0.075 0.075 0.073 0.024 0.025 0.027 0.027 0.027 0.029 0.077 0.029 0.077 0.029 0.077 0.029 0.077 0.099 0.077 0.077 0.099 0.077 | 26.500 | | | .2891 | 2739 | .0862 | 0754 | 0003 | .0483 | . 0267 | .0287 | ₹1 00. | 8810 | 89 5 | € 85. | |
| 136 1361 1367 1367 1318 1300 0 0 0 0 0 0 0 0 0 | 315.000 | 2329 | 1636 | .2157 | .056 | .0595 | 0678 | .0165 | .0473 | .0324 | .0229 | 1530. | 5000 | C. | . 0293 | |
| Case | 337, 500 | 188 | 198 | 198 | 0027 | .0131 | 0006 | 5540. | 9.9990 | .0375 | 6510 | .2735 | . 28:3 | 1587 | 6 2.00 | |
| 138 1 158 168 | 360.000 | 2903 | 35 | 6122. | 0002 | .0166 | .0169 | .0125 | .0450 | .0413 | .0291 | .0589 | . 1825 | :552 | £33 i | |
| 100 1155H BOOSTER | 6 | | | | • | | • | 5.7178 | P7A | | 910 | | | Ą | | 609.0 |
| 0.0433 .0722 .1159 .1518 .2240 .3323 .4405 .5480 .6570 .7553 .6834 .5123 .6834 .5123 .6834 .5123 .6834 .5123 .6834 .5123 .6834 <t< th=""><th></th><th>200</th><th>9</th><th></th><th></th><th>130030</th><th>,</th><th>9</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<> | | 200 | 9 | | | 130030 | , | 9 | | | | | | | | |
| Columb | 5 | | | | | | | ; | | | | | | | | |
| 2033 2033 1992 -10134 -10145 -10063 00073 -10009 00073 -10139 00155 1559 2033 2033 1992 -10134 -10144 -10165 00146 00079 00079 -10139 00155 1559 2033 2033 1992 -10111 -0246 -00937 -0023 0059 -0059 0075 -10139 00155 1559 2034 1992 -10111 -0246 -00937 -0023 0059 -0059 00151 -0139 0159 1559 2035 1992 -1014 -0094 -0059 -0099 00151 -0059 -0059 1559 1559 2036 1992 -0009 -0024 -0009 -0024 -00059 0017 -0039 0017 -0039 1559 1559 2037 1992 1992 -0009 -0024 -0009 -0009 -0009 -0039 1509 1509 1509 1509 1509 1509 1509 150 | KALS | .0+33 | .0722 | .1013 | 95
- | . 1518 | .2240 | .3323 | . 4405 | 86.
7. | .6570 | .7653 | . 6934 | - F. 22 | 9536 | |
| 2033 1973 0195 0002 .0294 0003 .0010 .0010 .0010 .0010 .0110 .0110 .0110 .0110 .0110 .0110 .0111 .0246 0197 0109 .0073 .0109 .0073 .0109 | Ī | | | | | | | | | | | | | | | |
| 2033 2057 1962 013* 014* 0165 .0146 .0027 0009 .0075 0139 .014* .014* .014 014 014 0246 0097 0029 .0029 | 000 | .2226 | . 1955 | <i>ETT</i> 1. | 0135 | 0023 | 0002 | SPO. | 0043 | -010- | 1800 | .0058 | 10 | . :673 | 1255 | |
| . 1933 . 1995 | 22.500 | 56.5. | .2057 | | 01¥ | 0148 | 0165 | .0146 | . 0027 | 0009 | . 0075 | 0139 | 3530. | 8 | 1390 | |
| 1932 - 1973 - 1074 0242 0029 | 43.000 | .2033 | . 2033 | 986 | 0111 | 0246 | 0097 | 0023 | . 0058 | 6960 | .0051 | 8) ± | <u>ر</u>
بر | | 3 3 | |
| 1972 - 1979 - 10070 - 0226 - 00097 - 00059 | 67.300 | | | 1983 | - 00 9 | 0242 | 003 | 0029 | .00B | 0023 | . C017 | 6391 | 5 6.0 | . E | ሉ
ኒ | |
| 1932 1932 - 1036 - 0.04 - 0.054 - 0.056 - 0.057 - 0.056 - 0.031 - 0.057 - 0.057 - 0.056 - 0.031 - 0.057 - 0.057 - 0.057 - 0.031 - 0.057 - 0.05 | 90.00 | 9161 | <u>25</u> | . 1978 | 0070 | - 0258 | 0097 | 0029 | .0038 | .000 | 6536 | 0354 | F. 196. | :
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101 | |
| 1932 1935 -1935 -1016 -1017 -10107 -1019 -10040 -10354 2247 1113 | 112.500 | | | 5/61. | 00 | 0244 | - 0091 | - 00E | 0058 | 6657 | 0369 | 0316 | | C260. | ر
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TABULATED SOURCE DATA, MSFC THT 567 (1A32F)

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| | | | | | HSFC 96 |)(1A32F | . 18 S | HSFC 967(11A32F) 19 53/2 53/2 03 | | SRM CONE | ¥ | | | (RB2SC1) | | | |
| - (9) - | • | 1.460 | | ALPHA (2) • | 900 | • | • | 9.4738 | PTA
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| SECTION (1)599 BOGS | 550 | | 300 | | 659 | DEPENDENT VARIABLE CP | VARIAB | & 31 | | | | | | | | | |
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| 8 | 3. | e. 5734. | 190 | .9673 | | | | | | | | | | | | | |
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| 67 (1A32F) | US SPM CONE | PTA • 50.011 | | | | | | | | | | | | | | | | | PTA = 50.011 | | | | | | | | | | | | | | | | | |
| TABULATED SOURCE DATA, MSFC THT 567 (1A32F) | MSFC 56711A32F) TB 53/2 53/2 03 US SRM CONE | 9.7169 | DEPENDENT VARIABLE CP | | | | | | | | | | | | | | | | 0 • 5.7168 | DEPENDENT VARIABLE CP | | | | | | | | | | | | | | | | |
| LATED SO | sfc 967 11 | 5.000 | DEPEND | | | | | | | | | | | | | | | | 8.000 | 13430 | | | | | | | | | | | | | | | | |
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1/2 | .3522 | 11175. | 3018 | 2538 | 6944 | 1528 | 3011. | .0533 | caca. |
| | | | S COM | .0722 | 621 | 1308 | 36 | . 1922 | 250 | .2967 | .3123 | er. | Ŝ | 1455 | | . | 0680 | . 120¢ | | 300 SO | .0722 | | .0765 | -685
- | B | . 1780 | F 100 | 3616 | 398. | 3525 | - | 1631 | | 1270. | .0579 | .0765 |
| p | • | 3.500 |) SAN 800 | .0433 | 2 | | .1529 | 1691. | 2 | 3028 | <u>17</u> | 高高 | 53.5 | 5421 | ! | .1316 | . 1353 | <u>\$</u> | 3.500 | 08 HBS (1 | .0433 | | 660 . | .1083 | Ĉ. | 3571. | 56.00 | 9698 | .4300 | 4259
6254 | .3312 | 1739 | | .0978 | ₹60° | 1660 |
| DATE OF SEP 75 | | FACH (5) • | SECTION (1)SAN BOOS COME | X/LS | : E | 22.500 | 45.000 | 90.06
80.000 | 112.500 | 157.500 | 180.000 | 202.500 | 225.000 | 000.745 | 26.500 | 315.000 | 337.500 | 360.000 | MACH (5) | SECTION (1)SPM BOOS CONE | X/LS | Ē | 000 | 22.500 | 43.000
43.400 | 90.000 | 112.500 | 133.000 | 180.000 | 202.500 | 225.000 | 37.500 | 200.000 | 315.000 | 337.500 | 360.030 |

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E | | 2 | BULATED | SOURCE | TABULATED SOUNCE DATA, MSFC THT 567 (1A32F) | THT 567 () | (A32F) | | | | <u>a</u> | PAGE 601 | |
|-----------------------|---------------|----------------|----------------|-----------|-----------------|---|------------|----------|-----------------|---|-----------------|-------------|--------------|-----|
| | | | | MSFC 56 | HSFC 567(1A32F) | 19 53/2 53/2 03 US | | SRM CONE | | | (AB25C6) | 36) (24 APR | - K | _ |
| | REFE | REFERENCE DATA | ITA | | | | | | | ۵ | PARAMETRIC DATA | DATA | | |
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DEPENDENT VARIABLE CP

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| MACH (3) * 1.050 | 0 | ŝ | | DEPENDENT VARIABLE CP | ARIAB | 8 | | l | | | | | | |

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| SECTION (1) SPM BOOS CONE | 95.
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| 1.0 1.2 | 110N (11) SPM BOOS CONE 10N (11) SPM BOOS CONE 1000 | : 567 (1A3 <i>2F</i>) TS | 53/2 53/2 (| ž
S | H CONE | | (RB2) | |
| 1043 11364 1005 1043 1134 | 1158H BOOS CONE 1013 1014 1158H BOOS CONE 1013 1022 1013 1000 1922 2791 2753 1000 1922 2791 2753 1000 1922 2791 2753 2029 1922 2792 1922 2029 1922 2792 | • | | PTA | | 젍 | | • 8.5280 |
| 1,043 1,072 1,013 1,022 1,013 1,022 1,013 1,022 1,023 1,02 | 1000 2506 3352 3336 2753 2000 2272 2753 2753 2000 2272 2753 2753 2000 2272 2753 2753 2000 2272 2753 2753 2753 2753 2753 2753 2753 2753 2753 2753 2753 2753 2754 2753 2754 2755 2756 | DEPENDENT VARI | ABLE CP | | | | | |
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10N (1)5RH BOOS CONE
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| 110N (115RH BOOS CONE | 10N (1158M BOOS CONE .0433 .0722 .1013 .0433 .0722 .1013 .000 .3349 .3052 .2006 .000 .3942 .3003 .3134 .000 .3950 .3975 .4019 .000 .3589 .3600 .3971 .000 .3589 .3600 .3971 .000 .3589 .3600 .3973 .000 .3589 .3600 .3973 .000 .3589 .2002 .3987 .000 .3726 .2045 .205 .000 .2752 .2072 .2057 .000 .2757 .2064 .2483 .000 .2757 .2064 .2483 | • | | PTA | | 룑 | | . 67500 |
| 900 .3949 .3032 .000 .3445 .3038 .3038 .3000 .3640 .3650 .36 | 000 3894 3898 000 3994 3998 000 3994 3905 000 3994 3905 000 000 3598 3890 000 3598 3890 000 3598 3890 000 3598 3890 000 3598 3994 000 3598 3994 000 3598 3994 000 3598 3994 000 3598 3994 000 3598 3994 000 3598 3994 000 3598 3998 3998 3998 3998 3998 3998 3998 | DEPENDENT VARI | ABLE CP | | | | | |
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| DATE 05 SEP 75 | | F | ABULATED SOURCI | TABULATED SOURCE DATA, MSFC TWT 567 (1A32F) | (1) 282 (1) | (32F) | | | | | • | PAGE | 612 |
|-----------------------|------------------|---------------|--------------------|--|-------------|--------|--------|---|---------|----------|-----|------|--------|
| | | | MSFC 56711A328 | MSFC 567(1,632F) T9 53/2 53/2 03 US SRH CONE | 03 US SI | S
₹ | ¥ | | _ | (R825C6) | | | |
| MACH (5) = | 3.500 B | BETA (2) • | D 000.7 | 5.7178 | PTA | • | 50.018 | 펉 | ம்
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| SECTION (1) SPH BOOS | 3NO2 5008 | 4.4 | DEPENDENT VARIABLE | VARIABLE CP | | | | | | | | | |
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TABLEATED SOURCE DATA, MSFC TMT 567 (1A32F)

SRM SHROUD MSFC 56711A32F) 19 53/2 53/2 03

DEPENDENT VARIABLE CP • 4.000 BETA (3) . MACH (8) = 3.480

SECTION (1) SAN BOOS SHOUD

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MSFC 567(1A32F) 19 53/2 53/2 03 UF SRM SHROUD
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DATE 05 SEP 75

DEPENDENT VARIABLE CP -5.000 ALPHA (2) . SECTION (1) SPM BOOS SHROUD .600 MACH (1) .

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DEPENDENT VARIABLE OF 5.000 - (*) MAN **3**6 MACH (1) *

SECTION (1)59N 9005 SHOUD

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 TABULATED SOUNCE DATA, MSFC THT 5617 (1A32F)
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MSFC 567(1A32F) T9 53/2 53/2 03 U5 SPH SHROUD

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|----------------------------|-----------------|-----|--------|--------|--------------|-----------------------|--------|---|-----------|-------|----------|---|----------|----------|------|-----------|
| | | | | • | HSFC 54 | 37 (I A 32) | F) T9 | MSFC 56711A32F) T8 53/2 53/2 03 U5 SRM SHROUD | 03 US S | Š | ROUD | | (482556) | ũ | | |
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| SECTION (1)5RM B005 | 11588 | | SHROUD | | 8 | PENDEN | T VARI | DEPENDENT VARIABLE CP | | | | | | | | |
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SECTION (1) SPH BOOS SHOUD

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   TABULATED SOUNCE DATA, MSFC THT 567 (1A32F)
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          TABILATED SOUNCE DATA, MSTC THT 567 (1A32F)
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      TABILATED SOUNCE DATA, MSFC THT 567 (1A32F)
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